AN AUTOMATED PENSIONEERS' INFORMATION SYSTEM
(A CASE STUDY OF UNIVERSITY OF IBADAN PENSION SCHEME)

BY

ABDULAZEEZ, SIKIRU ADEYINKA
PGD/MCS/208/96

FEDERAL UNIVERSITY OF TECHNOLOGY MINNA

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A PROJECT SUBMITTED TO THE
DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE,
IN PARTIAL FULFILLMENT FOR THE AWARD OF
POST-GRADUATE DIPLOMA IN COMPUTER SCIENCE
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MARCH, 1998

CERTIFICATION

THIS IS TO CERTIFY THAT HAVING READ THROUGH THIS RESEARCH WORK CARRIED OUT BY ABDULAZEEZ, SIKIRU ADEYINKA, IT IS IN OUR OPINION THAT IT CONFORMS TO THE ACCEPTABLE STANDARD AS PROJECT FOR THE AWARD OF POST-GRADUATE DIPLOMA IN COMPUTER SCIENCE.

.....
Dr. K.R. ADEBOYE
(H. O. D.)

.....
Dr. S.A. REJU
(SUPERVISOR)

.....
(EXTERNAL EXAMINER)

DEDICATION

TO

Afusat Oyegoke, Sarafa,

Abdulmumini, Jemilat, Sefiyat and Biliyameen.

ACKNOWLEDGEMENT

My thanks are due to my head of department, Dr K. R Adeboye. I appreciate the immense contribution of my supervisor Dr. S. A. Reju who have helped me not only to think but also to write more clearly.

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In the end, I shouldn't hesitate to mention that despite an assiduous proof reading, some misprints and inaccuracies might have crept in for which I am personally responsible. Any suggestion for improvement will also be gratefully acknowledged.

ABSTRACT

In the last decade, the growth in the number of computerized systems used in all areas of human-endeavour has been phenomenal Technology and Systems which were once the preserve of large organization with data processing budgets to match are now to be found in one configuration or another.

Pensioneers are retired civil servants who have put in some years of service as specified by the government and who have attained a given age. An automated Pensioneers information system is necessary to reduce or possibly eliminate problems encountered in keeping records of Pensioneers and payments of entitlement of pensioneers.

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CHAPTER ONE

INTRODUCTION TO PENSIONEERS' SCHEME

1.1. INTRODUCTION

From time immemorial man is compelled to seek for three basic necessities of life namely food, clothing and shelter. The availability of these resources in the required form that could satisfy individual and of course his dependents involves the use of anything that is generally acceptable as a means of exchange in that community. In the pre-historic period, man attempted to produce all the basic necessities of his home without waiting for anyone to exchange or collect an item to sustain his home. As time went by, complexity of the Society forced man to exchange goods for goods otherwise known as "trade by barter" It was latter discovered that specialisation helps tremendously in the overall output and quality of goods produced. This discovery, coupled with the inconveniences involved in trade by barter led to the use of money as a means of exchange. Money serves as a legal tender which is generally acceptable, portable, durable, divisible and homogenous.

The need therefore arises for man to work in order to provide the basic necessities of life for himself and members of his family.

Workers are considered as the economically active members of any society. They include people between ages of eighteen to forty-nine years. The economically inactive population are people less than eighteen and those above forty nine years. The economically inactive population are often dependent on the economically active

population. One could therefore imagine the burden on the economically active people in a population where a large proportion are dependent. It is worthy to note that the economically inactive, above forty-five years of age was actually active at one point in time.

Also, the economically inactive less than eighteen are expected to be trained towards becomes responsible citizens during the economically active years.

It is in the light of the above that plans has to be made to sustain the economically inactive.

1.2 EMPLOYEE BENEFITS

In popular parlance, employee benefits are frequently referred to as "fringe benefits". It could be defined simply as a collection of plans that provide protection on a group basis against the financial requirements of the worker. Many of them are initiated by employers themselves; others result from legislation; still others from collective bargaining agreements.

Some organisations have their own individualised program of benefits, Emphasis in this project is on employee benefits as it applies to the federal civil service.

Essential fringe benefits include leave benefits housing allocation, travel benefits, loan benefits, medicare benefits, and retirement benefits.

(a) *Leave Benefits*

This include vacation leave for all staff, maternity leave for expecting mothers married or unmarried, sick leave, study leave, leave of absence without pay, sabbatical leave, learned conferences fund (local and overseas conferences)

(b) *Housing Allocation*

This involves the provision of houses/flats to workers or payment of housing allowance to staff.

(c) *Travel Benefits*

This includes payment of travel expenses to and/or from station of affected staff on appointment termination, resignation or retirement. Others include overseas or local leave transport grant.

(d) *Loan Benefits*

This includes salary advance, touring advance and vehicle advance. An advance of one month's salary may be approved on first appointment and shall be refundable in three consecutive monthly installments deducted from salary, the first installment to be made in the month following the month in which advance is paid. A touring advance may be made, however, such advance granted must be fully accounted for within a month of the conclusion of the tour.

(e) *Medicare Benefits*

This is the provision of free medical attention to members of staff. Such facility is extended to the immediate family, that is, wife and children of the member of staff concerned.

(f) *Others*

Other allowances and grants include out-of-station allowance, Shift-allowance, Bonus for Drivers/Driver-mechanics, overtime allowance, harvard allowance, clinical supplementation, administrative responsibility allowance, mileage allowance and rate, entertainment allowance, hospitality allowance, research grant, and sabbatical

honorarium,

(g) ***Retirement Benefits***

These are benefits that usually accompany retirement, disability or death. Retirement benefits shall be classified broadly into two, namely gratuity and Pensions. These are discussed in the following sections.

1.3 GRATUITY

Gratuity is a retirement benefit which involves the payment of money to retiring staff at an approved rate as stipulated by legislation. Payment of gratuity under the constitution of the Federal Republic of Nigeria of 1979 is made to members of staff who resigns or retires after a minimum of five years of service.

1.4 PENSION

Pension is also a retirement benefit. We can consider it as a retirement plan, a program for the payment of benefits to eligible workers at or after their retirement. The plan may also pay benefits in the event of death, total disability,or job severance. The benefits are usually paid in monthly installments, and in private plans they are provided through the accumulation of funds set aside by the employer and sometimes also the employees. Payment of Pension under the constitution of the Federal Republic of Nigeria of 1979 is made to members of staff aged over 45 years who retires after minimum of ten years of service.

1.5 PENSION AND GRATUITY CONDITIONS

According to the constitution of the federal republic of Nigeria. Pensions act of 1979, no pension or gratuity shall be granted to an officer except on his retirement from the public service in any of the following circumstances

(a) On voluntary retirement after qualifying service of five years for gratuity and ten years for pension.

(b) On compulsory retirement under the following conditions

(i) after attaining the age of sixty years

(ii) The minister may issue a directive for an officer to retire from service at anytime after he has attained the age of forty-five years subject to three months notice in writing of such requirement being given.

(c) On compulsory retirement for the purpose of facilitating improvements in the organisation of the officers department or ministry so that greater efficiency or economy may be effected.

(d) On the advice of a properly constituted medical board certifying that the officer is no longer mentally or physically capable of carrying out the functions of his office.

(e) On total or permanent disablement while in the service.

(f) on the abolition of his office under the following conditions

(i) Reorganisation in a department or ministry in which case he shall be entitled in addition to ten percent of his pension and gratuity as compensation for premature retirement; so however, that his total

award shall not exceed seventy percent of his salary as gratuity.

(ii) Where an officer who is required to retire in pursuance of sub-section of this section has not completed the minimum period qualifying his for a

gratuity or pension the minister may grant him gratuity equal to his one years salary.

(g) Payment of pensions to any officer qualified to receive a pension shall not commence until such officer has attained the age of forty-five years.

(h) Where an officer dies in the service after the completion of the minimum period of qualifying service, his next of kin or his representative would be paid such gratuity and/or pension as would have been payable to him if he had retired at the date of his death.

(i) All persons shall be paid for a period expiring at the end of five years after his death but it shall be lawful for the total to be paid forthwith.

(j) If an officer dies in the course of official duty and without his own fault, there shall bepaid to his next-of-kin or designated survivors a gratuity to which the officer would have been entitled at the date of his death. In addition to the gratuity above;

(i) If the deceased officer leaves a widow, a pension to her for life while unmarried and ofgood character, at a rate not exceeding one third of the deceased officer's accrued pension at the date of his death.

(ii) If the deceased officer leaves a widow to whom a pension is granted under paragraph one of this sub-section and a child or children, a pension in respect of each child, until such child attains the age of eighteen years of an amount not exceeding one mont of the deceased officers last pay; but where the deceased leaves only one child, that child shall be entitled to two-third of the deceased officers accrued pension until he attains the age of 18 years.

(iii) If the deceased officer leaves a widow to whom a pension is granted under paragraph (i) of this section and an only child, a pension in respect of that child until he attains the age of 18 years of two third of the accrued pension of the deceased.

(iv) If the deceased officer leaves a child or children to whom a pension is granted under paragraph (i) of this section and the widow subsequently dies, a pension in respect of each child as from the date of the death of the widow until such child attains the age of 18 years of one-sixth of the accrued pension of the deceased officer provided that,

- a pension shall not be payable under this sub-section at any time in respect of more than six children;
- a pension granted to a female child under this section shall cease upon the marriage of such child under the age of 18 years;
- where a deceased officer leaves more than one widow the

minister may grant a pension to oneor more of such widows not exceeding in aggregate the total value of the pension which might be granted to a sole widow under the preceding provision of this sub-section;

- Where the deceased officer does not qualify for a pension by reason of the length of his service, his dependents shall be entitled to pro-rata pension calculated at the rate of 2% per annum of pensionable service based on the deceased officers' final salary; and
- where an officer dies within five years after retirement, his next-of-kin or design suvivors shall continue to be paid for a period expiring at the end of five years from the date of his retirement, the same pension which the deceased officer was receiving prior to his death but if the next-of kin or designated survivor so elects, the balance of his pension at his death may be paid forthwith to the said next-of-kin or designated survivor.

In the computation of qualifying service no period during which an officer was less than 15 years of age or was absent from duty on leave without pay shall be taken into account unless such absence was for the purpose of utilising a bursary or scholarship awarded to him by the Government of the Federation or of a state thereof or the absence was on account of such other purpose as the minister may permit. Transfer of service

within public service is considered as continuous.

1.6 PROJECT OBJECTIVES

The general objectives of this project is to design a mechanised method for the creation and maintenance of pensioneer records in all organisations with little adjustments (where necessary) specifically, the following are to be achieved

(a) Provision of management information on pensioneers' in a manageable form that would otherwise be unobtainable due to laborious manual effort involved.

(b) To provide data which is appropriate, comprehensive and timely and focuses attention on areas where management efforts will best be rewarded.

(c) Prepare all routine reports and listings for internal and external use thereby reducing non-productive manual task, thus freeing staff for work where their expertise can be full utilised.

(d) Determine methods of simplifying data capture and record maintenance to minimise effort at input points.

CHAPTER TWO

PENSIONEERS' SCHEME CASE STUDY

2.1 BRIEF HISTORY OF THE UNIVERSITY OF IBADAN

Since the latter half of the nineteenth century, well-to-do African in Lagos had met the need for higher education by sending their children overseas for professional training. Some of these returned to press for the establishment of institutions of higher learning in Nigeria. Not much progress was made until the 1930's. In Nigeria, the Yaba Higher College (established in 1932 but formally opened in 1934) and the Yaba medical shcool (established in 1930), which granted diplomas and certificates in selected subjects hardly satisfied the aspiration of those who longed for university education.

The British Government seriously considered the possibility of establishing university or university colleges in the commonwealth and in west Africa particularly, during World War II The Asquith and Elliot Commission both set up in 1943 reported on various aspects of this problem in 1945. The majority and minority reports of the Elliot Commission agreed on the establishment of a University College in Nigeria. The Asquith Commission concentrated on the fundamental principles which were to guide the development of institutions of higher learning similar to the university college subsequently established at Ibadan. The Asquith Commission emphasized the principles of a residential University college in special relationship with London University, high academic standards in admission and staffing, and autoriomy. Both the Elliot and Asquith Commissions which exchanged information, agreed that the Inter-University

Council for Higher Education in the colonies (later overseas) was to advise the new university College, Ibadan on how best to attain the objective for which they were established.

The University College, Ibadan (UCH) founded in 1948, at first occupied the old site previously used by the 56th military General Hospital about eight kilometers away from the new permanent site. The new site covered over 2,550 acres of land generously leased by the chiefs and people of Ibadan for 999 years. The equipment initially used by the University were transferred from Yaba Higher College.

In 1959, there were about 530 junior staff. In February 1973 the number had risen to 4, 197. In 1958, there were only 44 Nigerian Senior Staff (Academic, Library, Administrative and technical) officers, as against 136 expatriates. But on 1st February 1973, the University had 117 Senior administrative and technical officers, technicians/technologists as well as school teachers in the International school (Secondary) and staff school (Kindergarten and primary). Of these, Ninety five percent were Nigerians. These exclude a total of 566 academic staff of whom 416 were Nigerians and 150 expatriates. On 1st march 1997, the University had a total of 793 academic staff (including the library and the Ibadan University press) as against an establishment of 1,066 for the 1976/77 session. At the same time, the University had a total of 819 administrative professional and technical staff although the established figure for the 1976-77 session was 1,079. In 1984/85 the total number of junior staff in the employment of the University was 4,006 on the payroll for 1985 and senior staff - 2,348. At present staff population is about 1,334 academic staff, 1134 non-teaching staff and 2,926 Junior staff.

2.2 ORGANISATIONAL CHART OF UI

At inception, the governance of the University of Ibadan was vested in two main bodies - the provisional Council and the Academic board. These bodies were provided for in the 1948 university College, Ibadan (UCI) ordinance.

The provisional council was the trustee of all college properties and had authority in all financial matters while the academic board was responsible for all academic matters in the college.

In 1954, a new ordinance was provided to replace the 1948 one. By this ordinance, the provisional council and academic board metamorphosed into the Governing council and senate respectively.

In 1962, the College became autonomous of London University becoming a full fledged University. The 1954 ordinance was replaced by the University of Ibadan act, (1962) under a bill passed in the Federal parliament. Although there has been a few amendments to this act, its provisions have remained essentially the same.

The University of Ibadan has the incumbent head of the Federal Government as its visitor. The visitor appoints a titular representative in the person of a chancellor. Next to the chancellor is the chairman of the University Council called the pro-chancellor who presides at the periodic meetings of the council at which major policy decisions, such as finance, welfare, disciple of staff and other matters that determines the governance of the university are taken. The vice-chancellor, who is Chief executive of the university is usually assisted by deputy vice-chancellors. The Vice-chancellor is the chairman of the senate which is responsible for policy

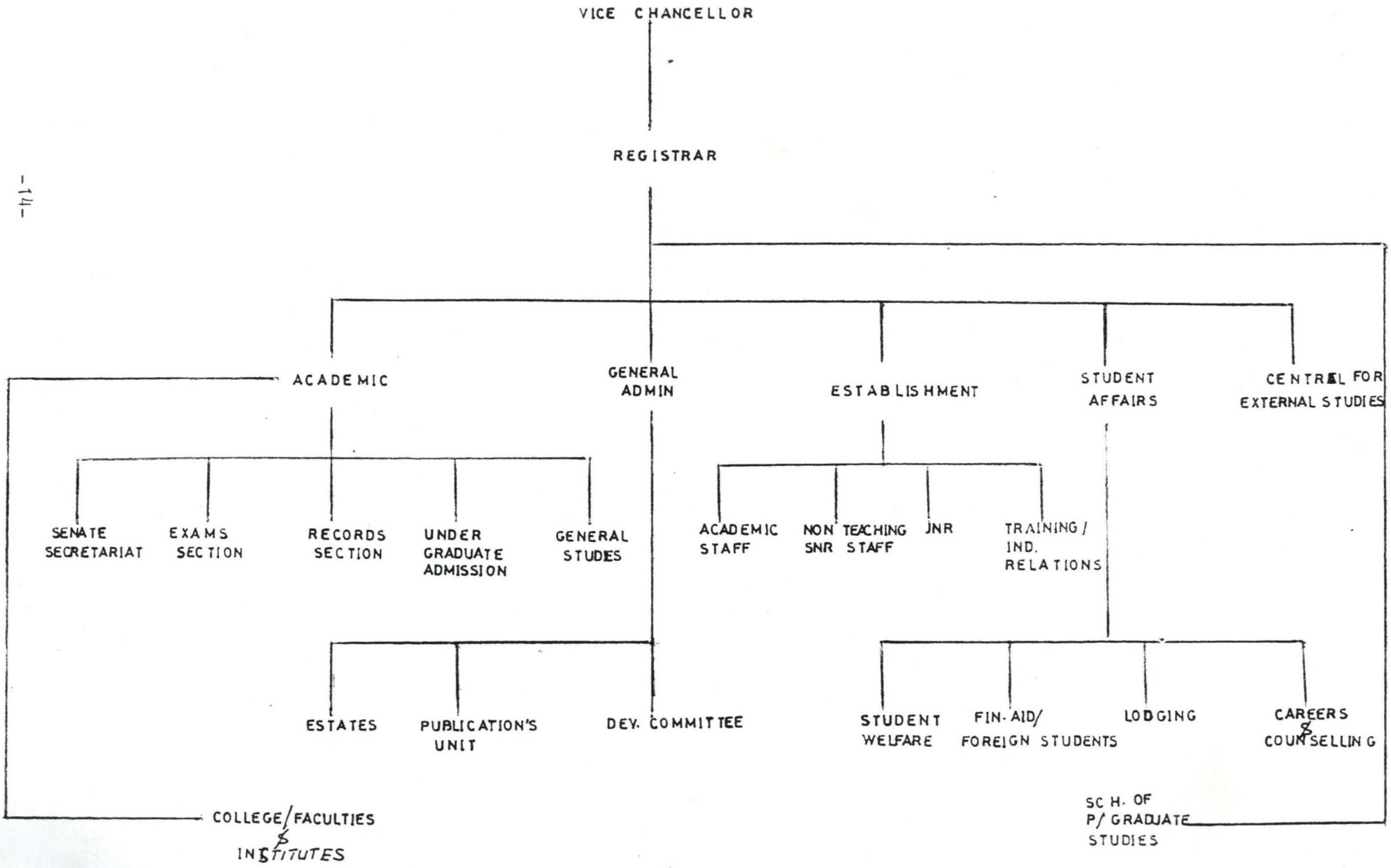
decisions on all academic matters in the University . The Registrar is responsible for the

day to day administration of the University and is responsible to the Vice-chancellor.

The business of the university is conducted through a system of committees set up by council or senate or jointly by both. Some of the committees have been in existence since the begining of the university, while new ones are created from time to time to meet the exigencies of the period.

This peculiar method of administration is to ensure democratic principles for the purpose of optimum utilization of available human and material resources in the university.

The figure below illustrates the organisational structure as discussed above.



2.1 : ORGANISATIONAL STRUCTURE OF UL IN THE 80'S TILL DATE

2.3 PENSIONEERS' SCHEME IN UI

The pensioneers' scheme in University of Ibadan (UI) as an employee benefit is similar to all such scheme in the Federal Civil service.

UI joined the Civil Service Pensions Scheme in 1975. The pensions unit was formed as a section of accounts division to ensure appropriate record keeping of pensioneers' information and prompt payment of employee terminal benefits.

2.4 OVERVIEW OF EXISTING SYSTEM

Since the university of Ibadan joined the pensions scheme in 1975, the records system in use at the pensions unit is the manual system. Employee records are obtained from the Establishment division for each retiring staff. All retiring staff fills a retirement form (Figure 2.4.1). The retirement form gives personal details of the retiree. A formal application for payment of pension is expected to be written by retirees as soon as they are qualified for it. All retiring officers are expected to be cleared before their gratuity and pension (where applicable) is processed. The sundry debtors accounts clearance form (Figure 2.4.2) is sent to the bursary by the senior accountant (Pensions) The clearance form is completed by the accountant (payable and receivable) at the bursary to ascertain retiree's outstanding loans/advance (if any). The computation of retires' benefit is done on the basis of information extracted from his secret file in conjunction with retirement form filled. The computation of retiring benefits for is shown figure 2.4.3

The percentage of pension and gratuity depends on the existing legislation. The percentage gratuity and /or pensions payable to retiree along with the years of qualifying service is as shown:- in table 2.4.1.

Payment is made directly to designated banks spread all over the federation as indicated by retiring officer in retirement form.

IMEN OF UI PENSIONEER'S FORM

2.4.1.: SPECIMEN OF UI PENSIONEERS' FORM

ERSITY OF IBADAN

IONEERS PARTICULARS

E COMPLETED BY RETIRING OFFICER

e of Officer.....

Names.....

mentinwhichlastworked:.....

Birth.....Present Age:.....

First Appointment:.....

y File No.:.....

lo of Years:.....

al Salary:.....

Retirement:.....

of Retirement:.....

here Pension is to be paid..... Account

.....

Address after Retirement:.....

.....

.....

Kin:

Full Name:.....

Relationship:.....

Address:.....

.....

.....

re of Retiring
and Date

OFFICE USE

ty Paid:.....

n Per Annum:.....Per Month.....

Pension Commence:.....

.....
Signature of Accountant or
Officer in Charge

Figure 2.4.2: SPECIMEN OF UI PENSIONEERS' CLEARANCE FORM

UNIVERSITY OF IBADAN

SUNDRY DEBTORS ACCOUNTS CLEARANCE FORM

To: The Accountant Date issued:.....
Payable and Receivable Sections,
Bursary.

Name:.....
Department:.....
S/D Code No:.....

The above named has given notice to resign/withdraw/retire from the services of our institution with effect from .....

For this reason, please let us know what is outstanding in his/her Sundry Debtor's Account with respect to the following:-

1. Housing Loan.....
2. Interest on Housing Loan.....
3. Insurance on Housing Loan..... .....
4. Motor Vehicle Advance .....
5. Interest on M/V Advance.....
6. Salary Advance.....
7. Children's School Feed (State School) .....
8. Salary Overpayment.....
9. Bicycle Advance.....
10. Internal Payments.....
11. Sundry Debtor's Account Balance.....
12. Grants.....

Total indebtedness

All Outstanding Sundry Debts have been entered above.

....
Claimants's Signature P.&. T. Clerk

Claimant's please take this form to the Account in charge of P & R for completion before we can start processing your benefits.

Senior Accountant,
Pension Section.

The above date on the Claimant has been fully versified and certified correct.

Senior Accountant,
Advance.

Date:.....

FIGURE 2.4.3 SPECIMEN OF RETIRING BENEFITS COMPUTATION FORM

UNIVERSITY OF IBADAN
COMPUTATION OF RETIRING BENEFITS

1. Name:.....

2. Department.....

3. Date of Birth.....

4. Date of Appointment:.....

5. Date of Retirement.....

6. Total length of Years:.....

   Less Break in Service

   Uncondoned

   Pension Period .....

7. Terminal Salary: ₦.....

8. Gross Emolument.....

9. Gratuity % .....

10. Gratuity due ₦.....

11. Pension %..... Per annum

12. Pension due ₦..... Per annum

13. Taxable Income.....

    Repaired by :.....

    Signature:.....

    Date:.....

LE 2.4.1 - APPROVED PENSION AND GRATUITY BASED ON PERCENTAGE OF TERMINAL SALARY

s of fying ce	Gratuity as percentage of Final Total Emolument	Pension as percentage of Final Total Emolument
	100	
	108	
	116	
	124	
	132	
	100	30
	108	32
	116	34
	124	36
	132	38
	140	40
	148	42
	156	44
	164	46
	172	48
	180	50
	183	52
	196	54
	204	56
	212	58
	220	60
	228	62
	236	64
	244	66
	252	68
	260	70
	268	72
	276	74
	284	76
	292	78
	300	80

CHAPTER THREE

PENSIONEERS' RECORD SYSTEMS DESIGN

3.1. INTRODUCTION

A computer system consists of a number of components physical and non-physical, that are interconnected, each one carrying out specific function towards the common objective of processing data. The major components are the hardware, humanware and software. The hardware consists of the physical components of a computer and it is made up of the mechanical, magnetic, electrical and electronic devices of a computer. The input, storage, processing and control devices are hardware. humanware comprise of people who engage in the use of computers. Software is generally used to describe all forms of program that control the activities of a computer.

A program is a set or sequence of instructions which informs a computer of the steps required for achieving a defined task.

A programming language is simply a mode of communicating to computers. Programming language can be classified as either machine language, assembly language or high level language.

High level language include BASIC FORTRAN, COBOL, PASCAL and DBASE Programming. The main advantage of the high level language is that they are machine independent and they are written in English-like manner which can be easily understood. They however require a translator for a computer to execute it.

A database is a collection of useful information organised in a specific mnner. A databse management system refers to the systematic organization and management of a large collection

of information in a computer system.

Dbase IV stores data in a database file in the form of a relational data table. The Dbase IV batch command processing mode is used in this project.

3.2 MODULAR PROGRAMMING

This is used to create an application by using small program modular as the building blocks. The pensioneers' information system is sub-divided into a series of "stand-alone" functional modules drawing data from

a master file to enable new requirements to be met.

The following advantages are derived from using a modular approach

a) Since modules are small, they are easier to create and maintain

b) Problem areas are simple to pinpoint. If each module performs a major task, the programmer can more easily keep track of the elements of his program. He can easily find and correct programming errors quickly with this system.

c) After testing the moduleS they can be linked together to form a complete system.

3.4 ORGANISTION AND STRUCTURE OF FILES

The formal and structure of the major files created in this project are as follows.

TABLE 3.4.1 - EXSTAFF. DBF

S/No	Field-Name	Type	Width	De	Index	Description
1.	EXSTAFFNUM	C	8		Y	Number of retiring staff
2.	SUR-NAM	C	25		N	Surname
3.	NAMES	C	30		N	Other Names
4.	BDATE	D	8		N	Date of birth
5.	STATEDES	C	35		Y	State of origin
6.	ADDRES1	C	25		N	Address
7.	ADDRES2	C	25		N	Address
8.	DEPTDES1	C	35		Y	Department employed
9	EMP-DATE	D	8		N	Date employed
10.	PAY	N	11	2	Y	Total emoluments
11.	NEXT-KIN	C	25		N	Name of next of Kin
12.	KIN-REL	C	10		N	Relationship with next of Kin
13.	KIN-ADD1	C	25		N	Address of Next of Kin
14.	KIN-ADD2	C	25		N	Address of Next of Kin
15.	RET-AGE	N	2		N	Relationship with next of Kin
16.	RET-DATE	D	8		N	Relationship with next of Kin
17.	LOANDES1	C	35		N	Age on retirement
18.	LOANDES2	C	35		N	Date retired
19.	LOANDES3	C	35		N	Loan description
20	LOANDES4	C	35		N	Loan description
21.	SERV-BREAK	N	2		N	Loan description
22.	LOANSUM	N	11	2	N	Loan description
23.	ACTSERV	N	2		N	Service break
24.	SEX	C	1		N	Total loans
25.	MARITAL	C	1		N	Years of active service
26.	EXSTAFFSTA	C	2	2	N	Sex
27.	BANKDES	C	35		Y	Marital Status
28.	ACCNUM	C	8		N	Status of ex-staff
29.	GRAT	N	11	2	N	Bank name
30.	PENS	N	11	2	N	Account Number
31.	STATECOD	C	4		Y	Gratuity
32.	DEPTCOD	C	4		Y	Pension
33.	LEVEL	C	4		N	State code
34.	BANKCOD	C	4		Y	Department code
35.	DEPTDES2	C	35		N	Grade level
						Bank code
						Dept. last served.

payroll

TABLE 3.4.1. - [illegible].DBF

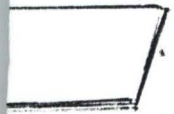
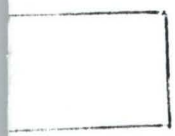
S/No	Field Name	Type	widt	Dec	Index	Descript.
1.	EXSTAFFNUM	C	8		N	Retiring Staff number
2.	DEPTCOD	C	4		N	Department code
3.	STAFECOD	C	4		N	State code
4.	BANKCOD	C	4		N	Bank code
5.	ACCNUM	C	8		N	Account number
6.	SUR-NAM	C	25		N	Surname
7.	NAMES	C	30		N	Other Names
8.	ADDRSS1	C	25		N	Address
9.	ADDRESS	C	25		N	Address
10	LEVEL	C	4		N	Grade level
11.	GRAT	N	11	2	N	Gratuity
12	PENS	N	11	2	N	Pension
13.	PEN.TODATE	N	11	2	N	Pension to date
14.	PAYM	N	2		N	Number of payments
15.	DEPTDES2	C	35		N	Dept last Served
16.	STATEDES	C	35		N	State of Origin
17.	BANKDES	C	35		N	Bank name
18.	PAY	N	8	2	N	Total emolument

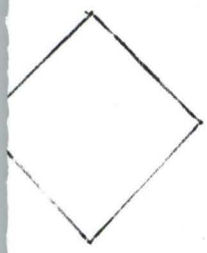
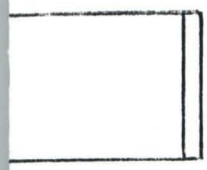
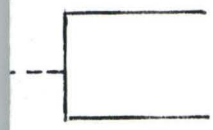
3.5 FLOWCHARTS

A flowchart is a diagrammatic representation of the basic steps to be taken to solve a well defined problem. It helps to show the flow of events and their relationship.

The symbols used in flowcharts and their description are as follows.

Figure 3.8

Symbol	Meaning	Description
	Input/output	Indicates any function of an input/output device
	Processing	Represents any operation other than input/output decision or termination.

Symbol	Meaning	Description
		The bulk of the processing function within an algorithm is represtenteded by this symbol
	Decision	Indicate a choice between alternative examination of specific criterion. The critetion may be the result of a comparison of two values or the existence of some status or condition.
	Terminal	Indicates starting and stopping points within algorithm
	Connector	Denotes entry points and exit directions within the flowchart. The usage for an exit indicates that the flow of processing terminates at this particular point of this flowchart leg but will resume at the entry point specified within the connector.
	Predefined process	Indicates a set of operations not defined on this flowchart, constituting a subalgorithm.
	Flow line	Indicate direction of flow of instructions. The accepted convention is that flow moves from left to right, unless arrows are used to indicate otherwise.
	Annotation	This provides the means for adding explanatory notes to the flowchart. The symbol may be connected to any point in the flowchart from any direction by means of a dashed line.

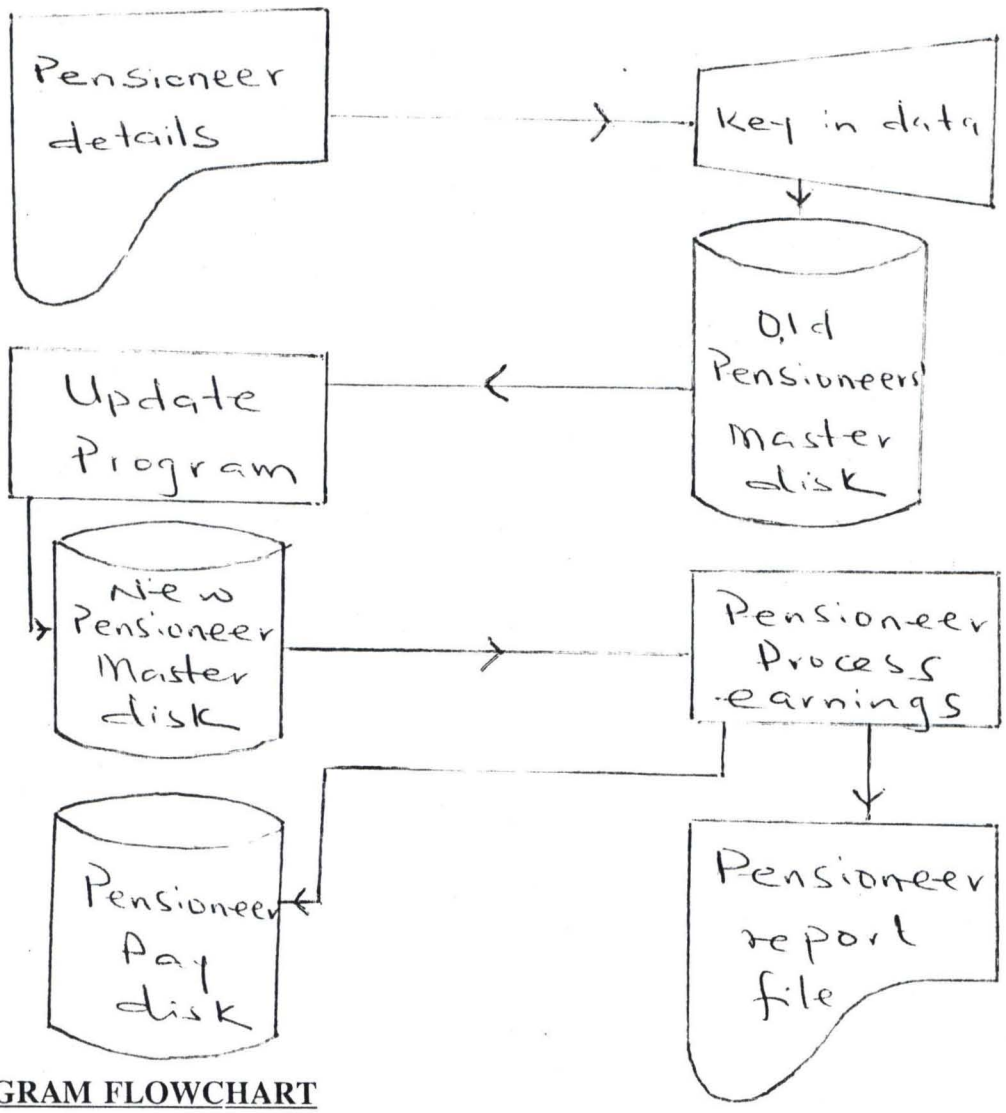
There are two types of flowcharts namely systems flowchart and program flowchart.

3.5.1 SYSTEM FLOWCHART

This is sometimes called operational systems chart. It show the actual flow of processing from input document to output, and clearly portrays the usage of files and the relationships between the programs in the system.

The system flowchart used in this project is illustrated below

Figure 3.5.1 - SYSTEM FLOWCHART SHOWING STORAGE OF PENSIONEER DETAILS INTO DISK AND SUBSEQUENT REPLACEMENT OF OLD MASTER DISK WITH A FRESH ONE AFTER EACH PAY RUN



3.5.2 PROGRAM FLOWCHART

This serves as a documentation of the algorithm design. The graphic display permits an easier and more effective grasp of the algorithm flow and, more important of the errors in logic.

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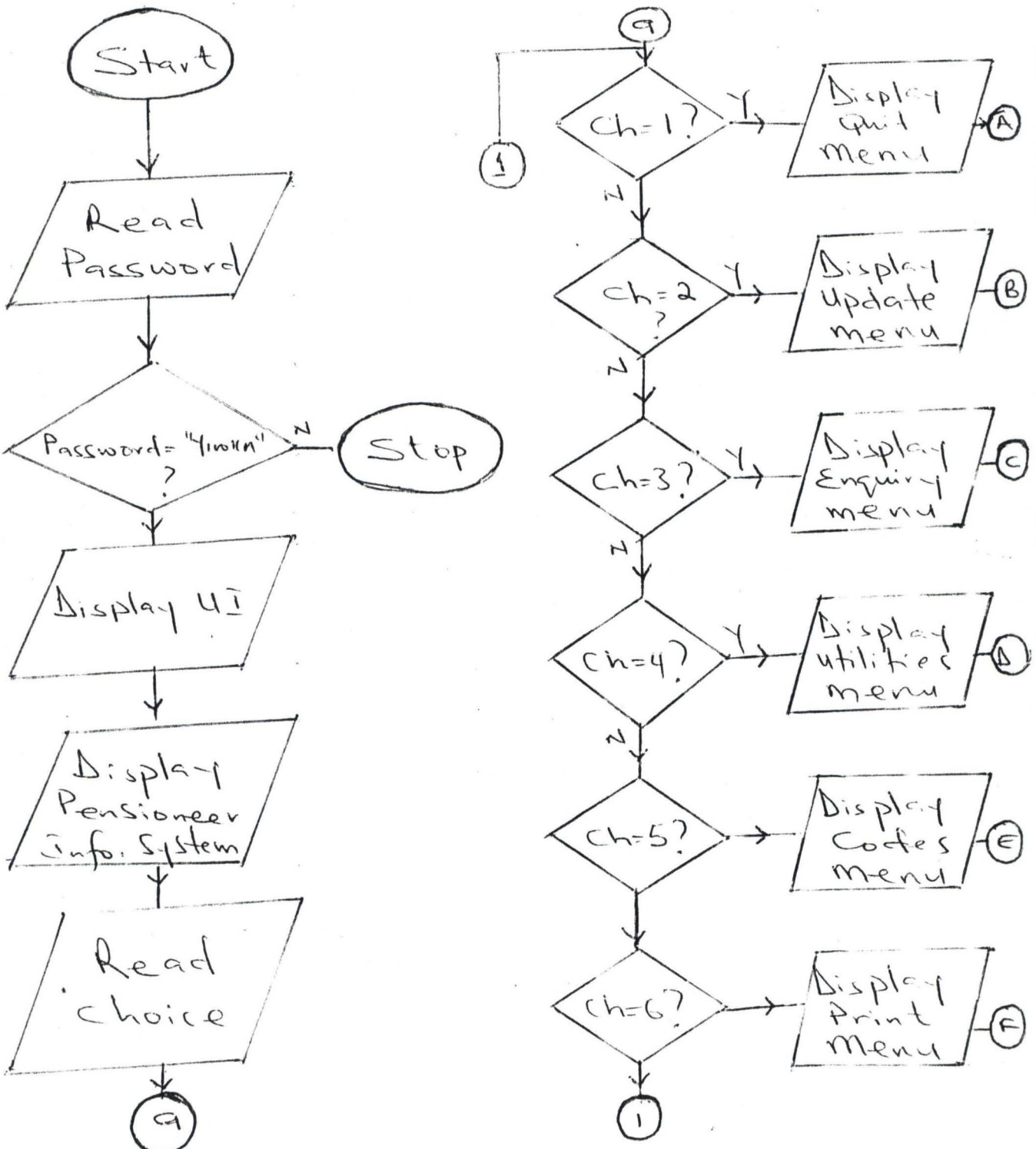
This serves as a documentation of the algorithm design. The graphic display permits an easier and more effective grasp of the algorithm flow and, more important of the errors in logic.

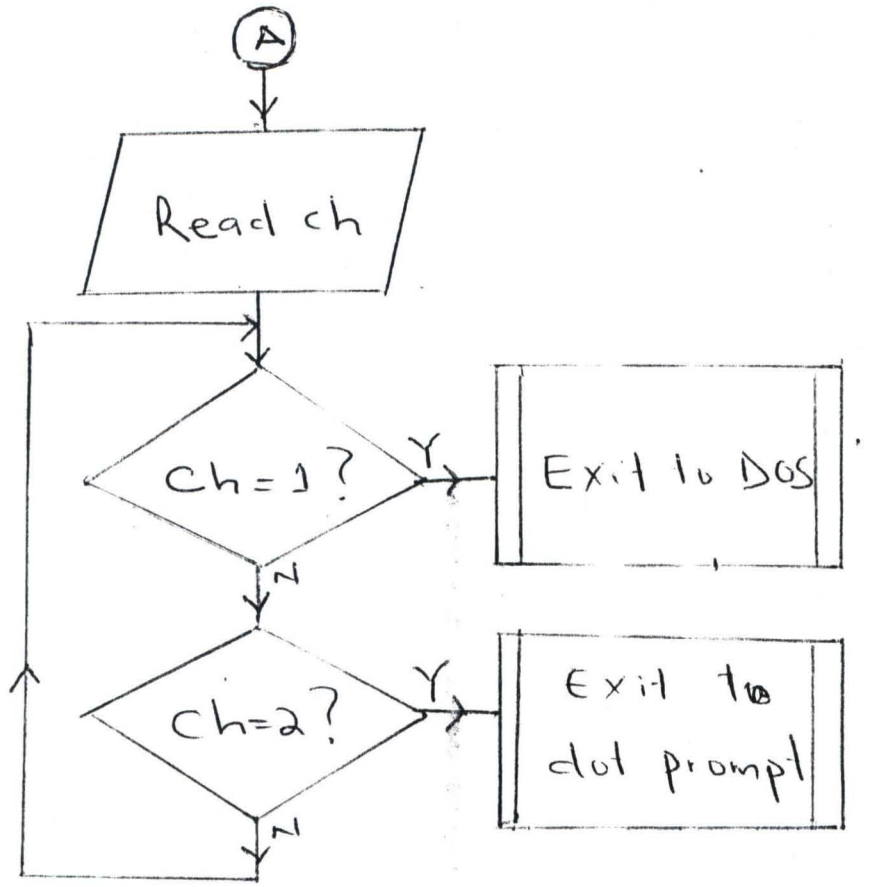
The figures below shows the program flowchart used in this project.

Fig 3.5.2.: PROGRAM FLOWCHART SHOWING THE ACCESS TO THE MAIN MENU AND SUB-MENU'S ACTIVATED BY IT.



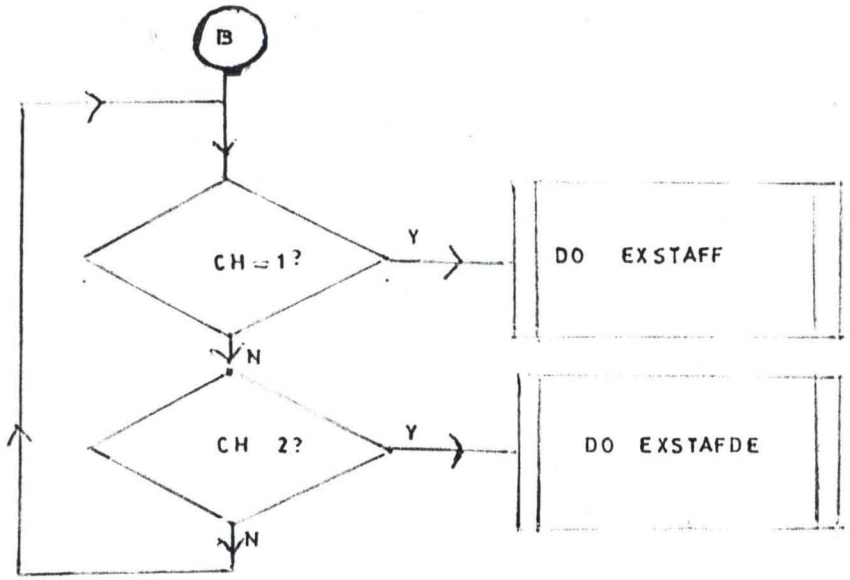
The flowchart above illustrates the as sequence of operations to be carried out as the main procedure. This procedure is by typing Do pension from the dot prompt. The password is first requested for after which access is allowed if the user is an authorised user. That is, one who types "Yinka" and enter key (↵) This is immediately followed by the display of "University of Ibadan", and "Pensioneers' information system" after which the main menu is displayed.

FIG. 3.5.3. PROGRAM FLOWCHART SHOWING THE QUIT MENU.



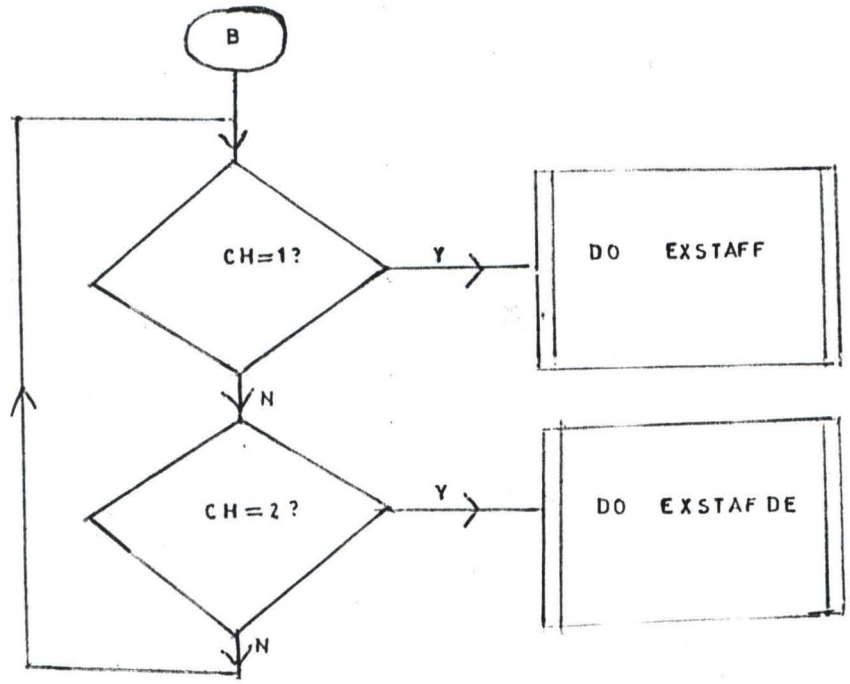
This flowchart allows the user to exit from dbase environment if choice one is taken or return to dot prompt if choice two is taken. In any case, the package has to be re-activated.

FIG 3.5.4: PROGRAM FLOWCHART SHOWING THE UPDATE MENU.



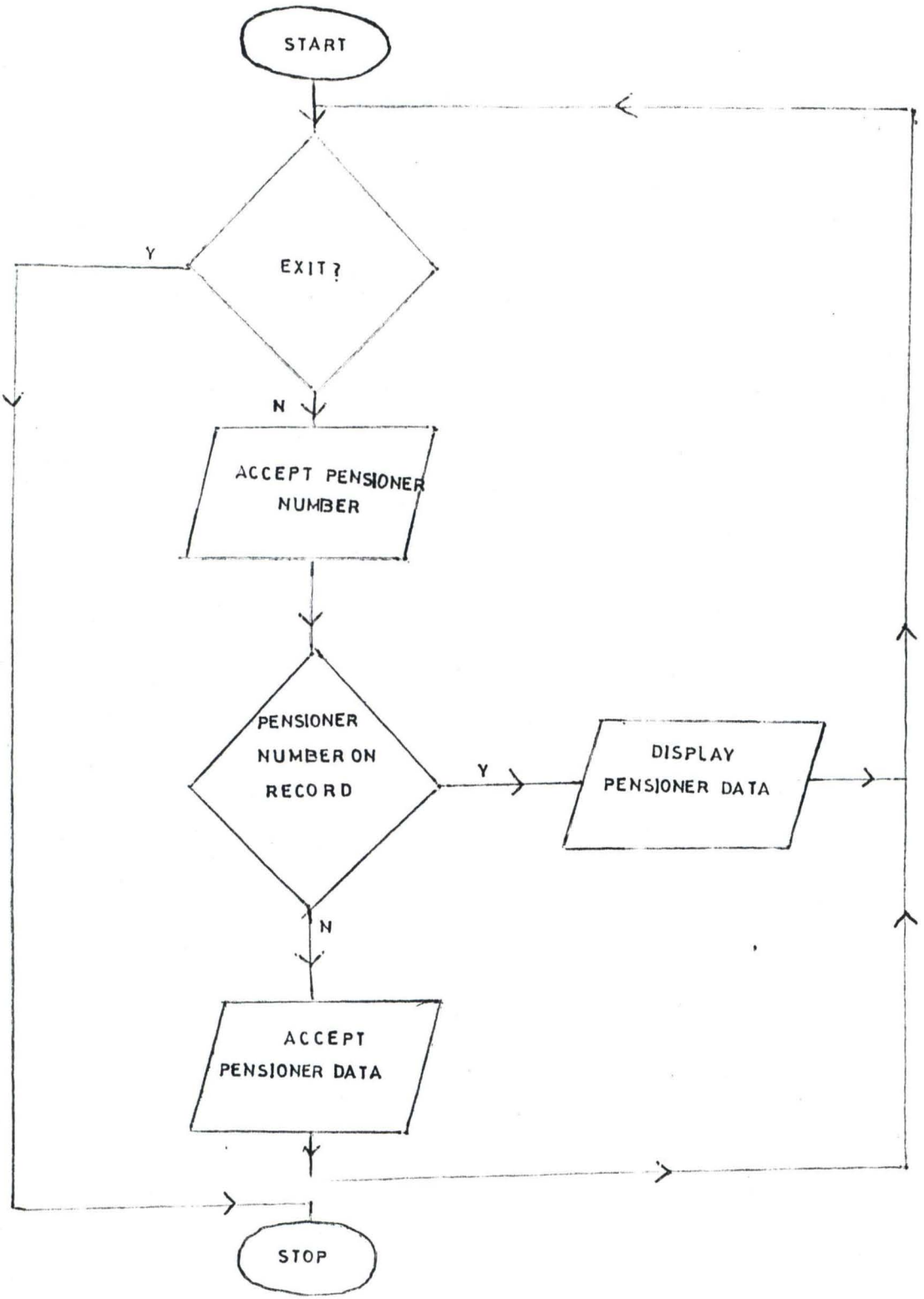
Only two programs are activated from the update menu, these are the exstaff.prg and exstafde.prg which are discussed int he following section.

FIG 3.5.4.1 PROGRAM FLOWCHART SHOWING THE UPDATE MENU.



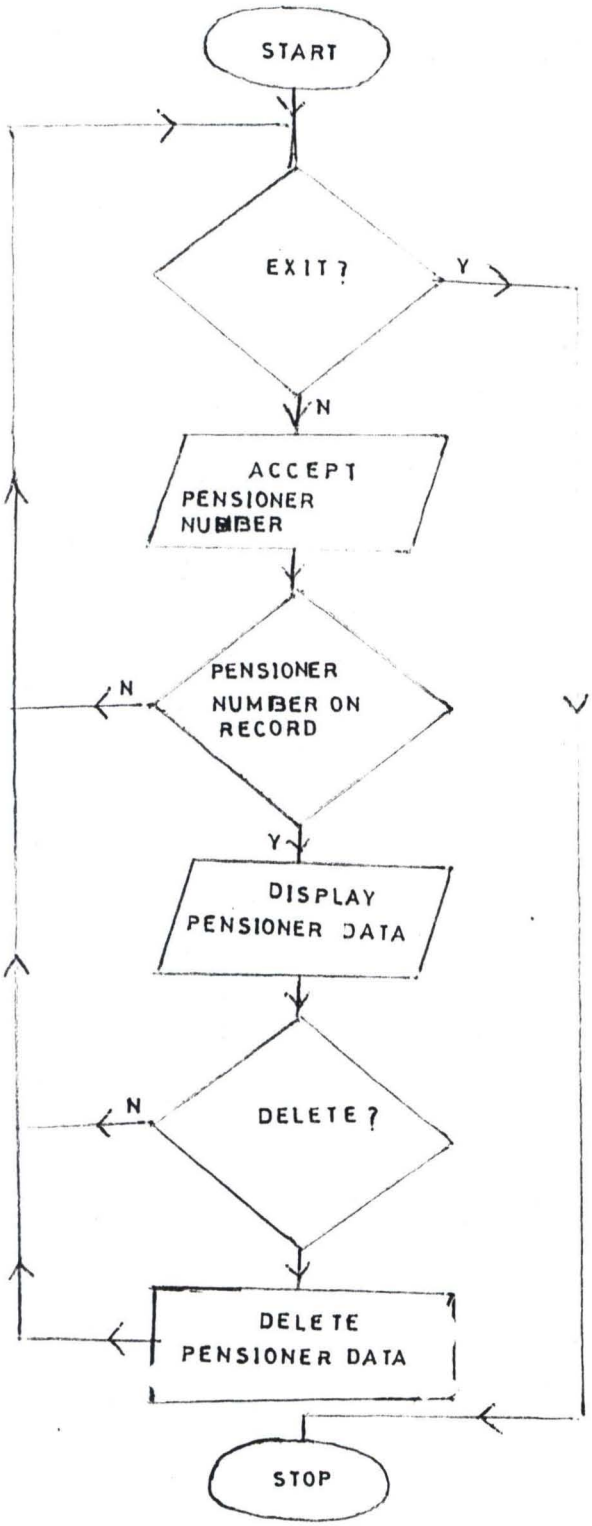
Only two procedures can be activated from the update menu, these are the exstaff. prg and exstafdel. prg which are discussed in the following section.

FIG. 3.5.4.2. **PROGRAM FLOWCHART SHOWING THE MASTERFILE CREATION PROCESS**



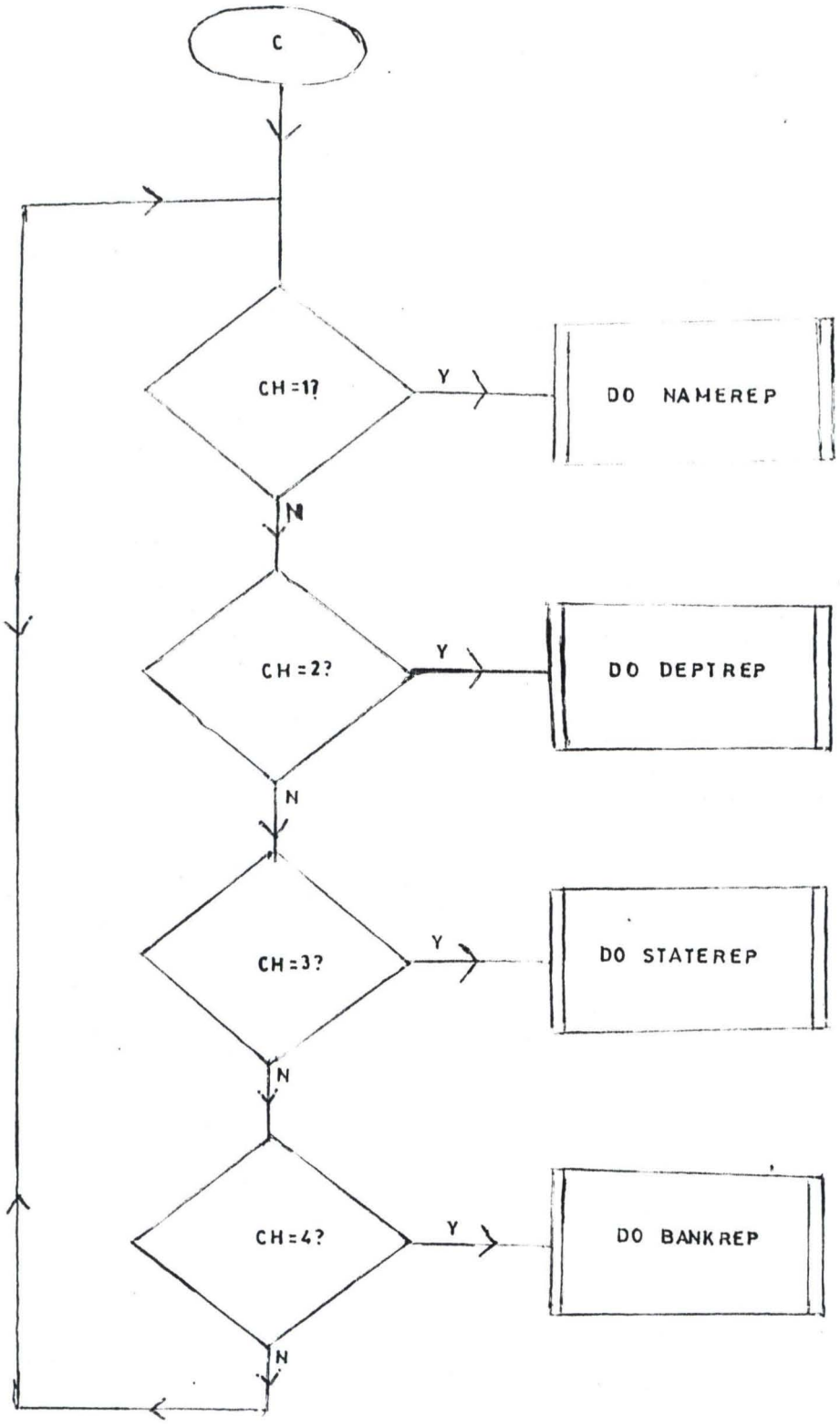
The flowchart above is on the creation of pensioneers' master file. All details of pensioneers is accepted as input and stored in a database file extaff dbf.

FIG. 3.5.4.3: **PROGRAM FLOWCHART FOR THE MASTER FILE DELETION PROCESS.**



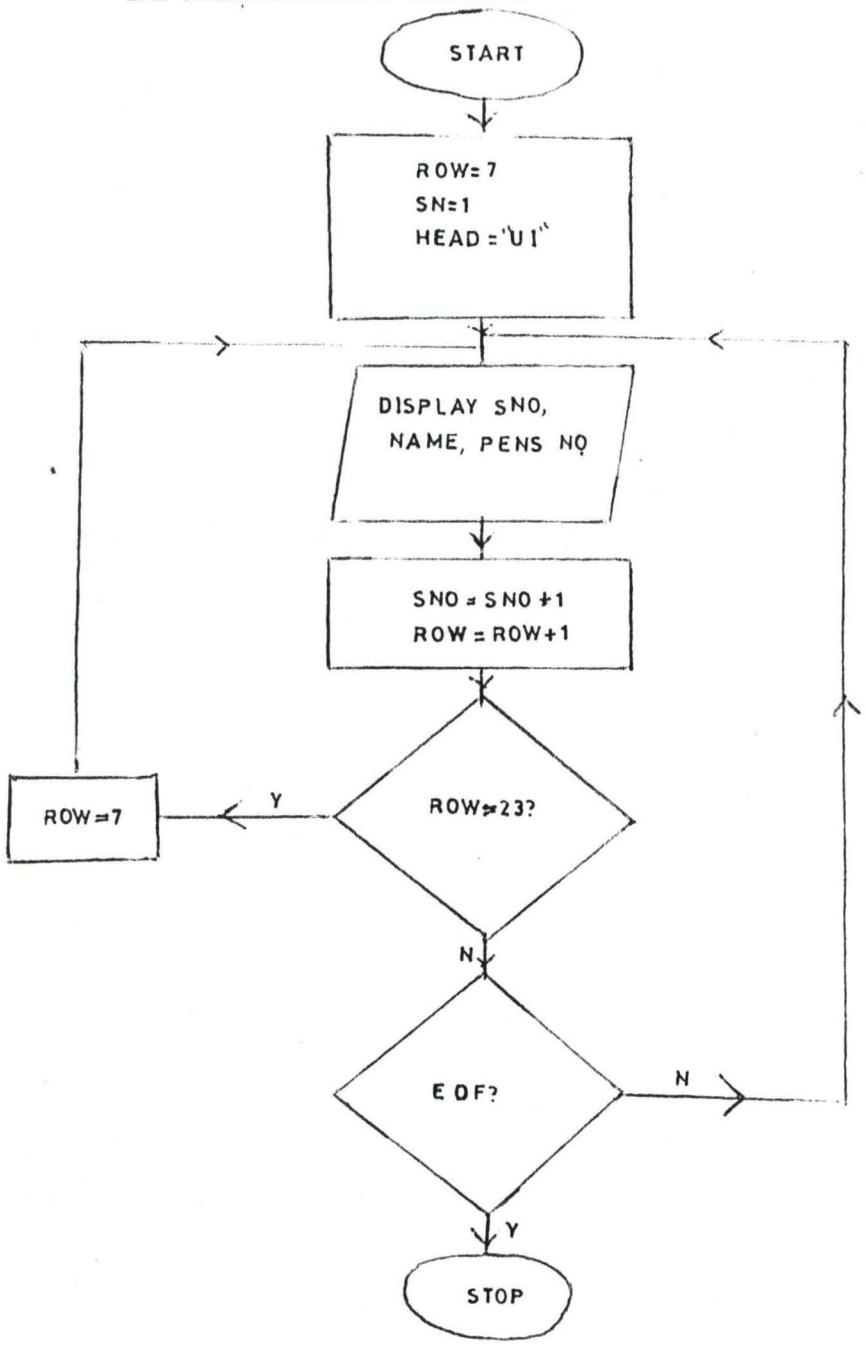
The flowchart above shows how unwanted data is removed from the masterfile. If the Pensioneers' number entered coincides with any one on masterfile, provision is made for deletion depending on users decision.

FIG. 3.5.5. PROGRAM FLOWCHART FOR THE ENQUIRIES MENU.



Four procedures can be activated from the enquiries menu as shown above. Reports on pensioneers could by presented by name, department, state of origin or by bank used.

FIG 3.5.5.1. FLOWCHART SHOWING THE NAMELIST REPORT OF PENSIONEERS BY ALPHABETIC ORDER.



The flow of instructions require an initialisation for the row number and serial number. The serial number, Name and pension number is to be displayed as long as end of file is not reached. If the screen is full, the screen has to be cleared and the row re-initalised for continuation of reports.

FIG. 3.5.5.2. **FLOWCHART SHOWING THE DEPARTMENTAL LIST REPORT OF PENSIONEERS.**

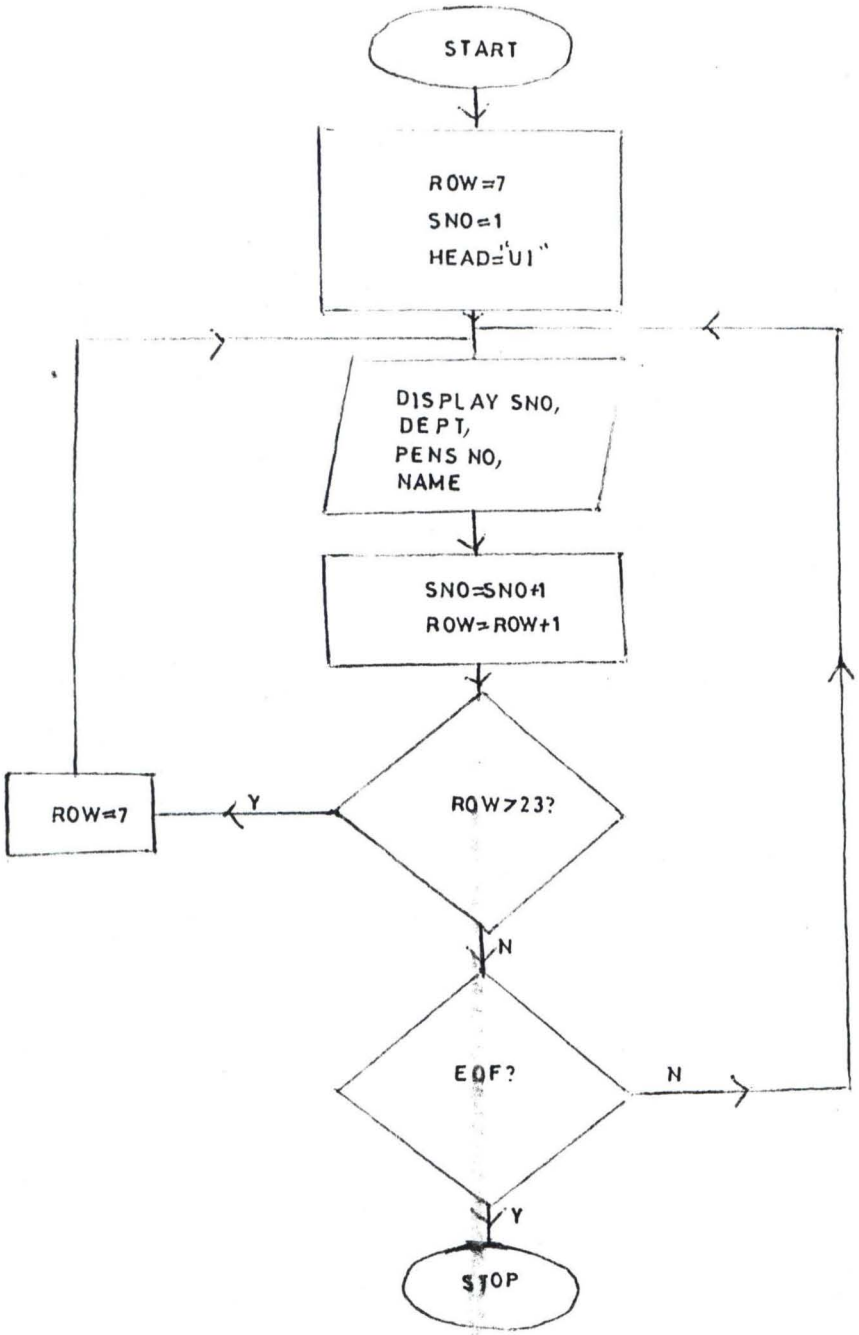


FIG 3.5.5.3. FLOWCHART SHOWING THE STATE DISTRIBUTION OF PENSIONEERS

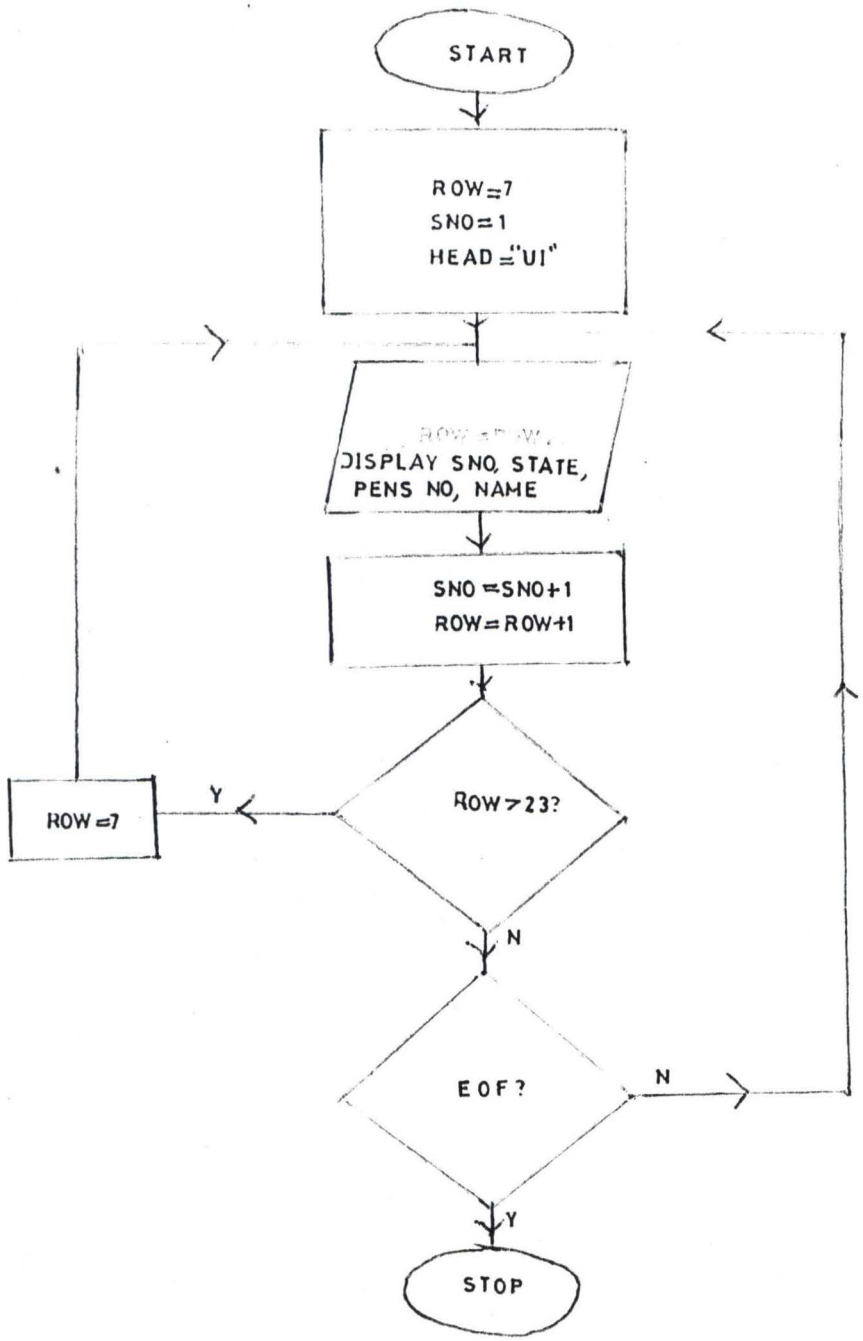


FIG 3.5.5.4. FLOWCHART SHOWING THE DISTRIBUTION BY BANKS

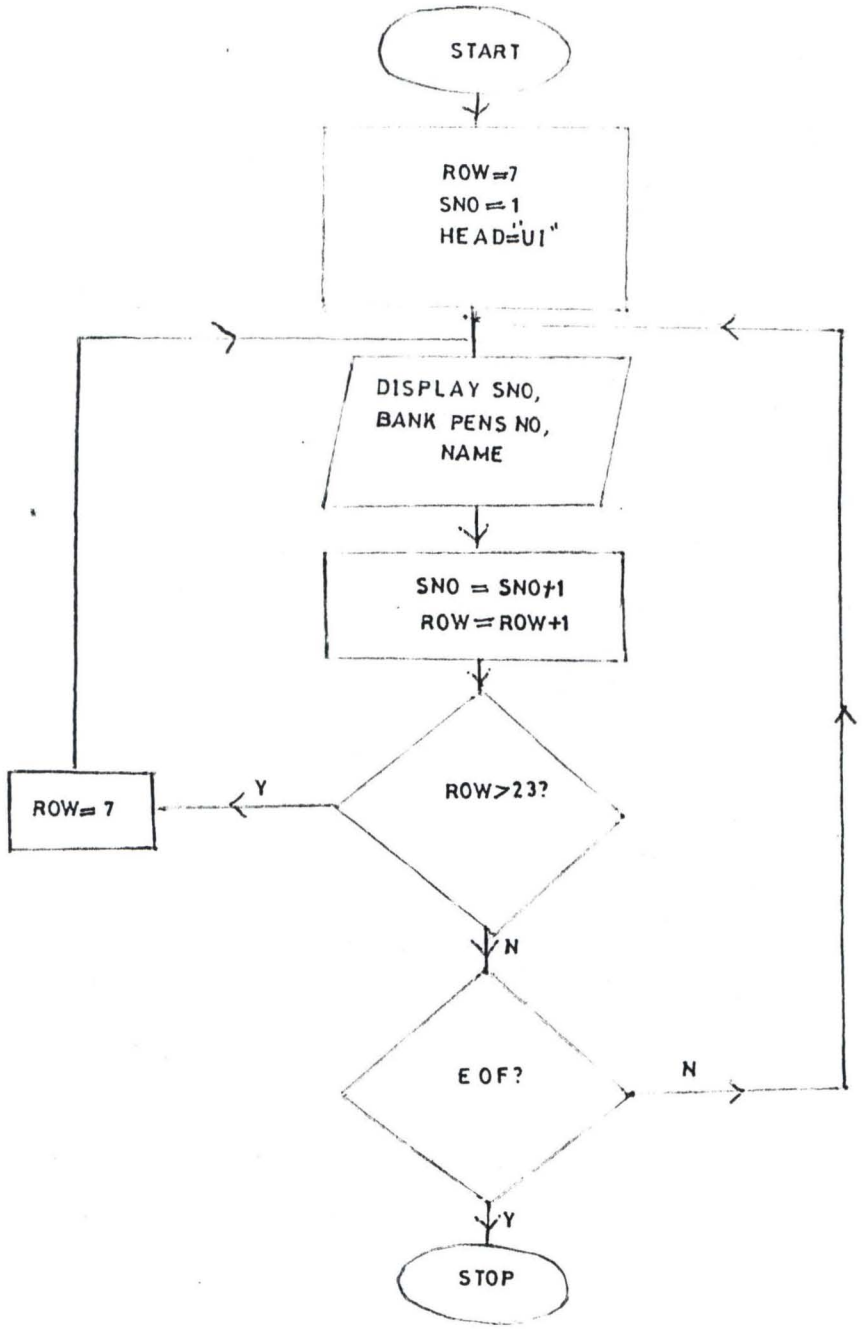
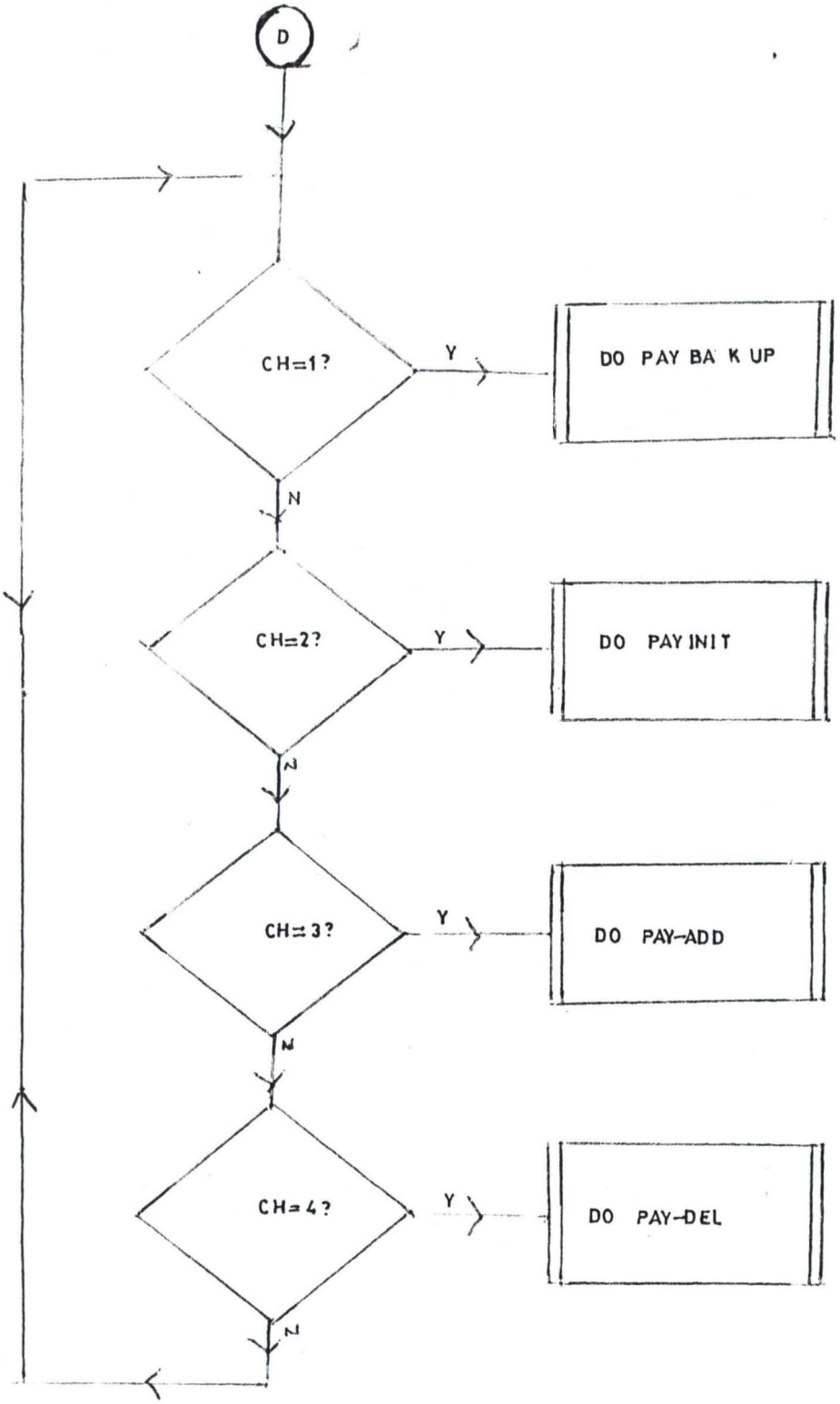
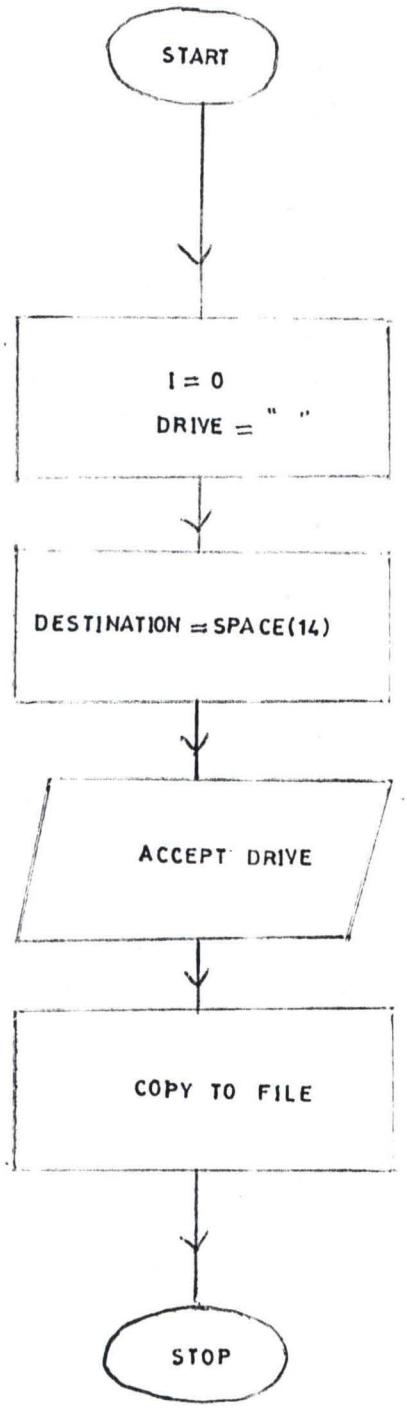


FIG 3.5.6 PROGRAM FLOWCHART SHOWING THE UTILITIES MENU



Four procedures can be activated from the utilities menu. They are meant for the performance of payroll operations:

FIG 3.5.6.1 PROGRAM FLOWCHART FOR THE BACKUP OPERATION.



The sequence of performance of the operation creating a back-up for the previous months's pay data is shown above. This procedure is necessary before the performance of pay initalisation for the current month shown in the next flowchart.

FIG 3.5.6.2. PROGRAM FLOWCHART FOR THE INITALISATION PROCESS.

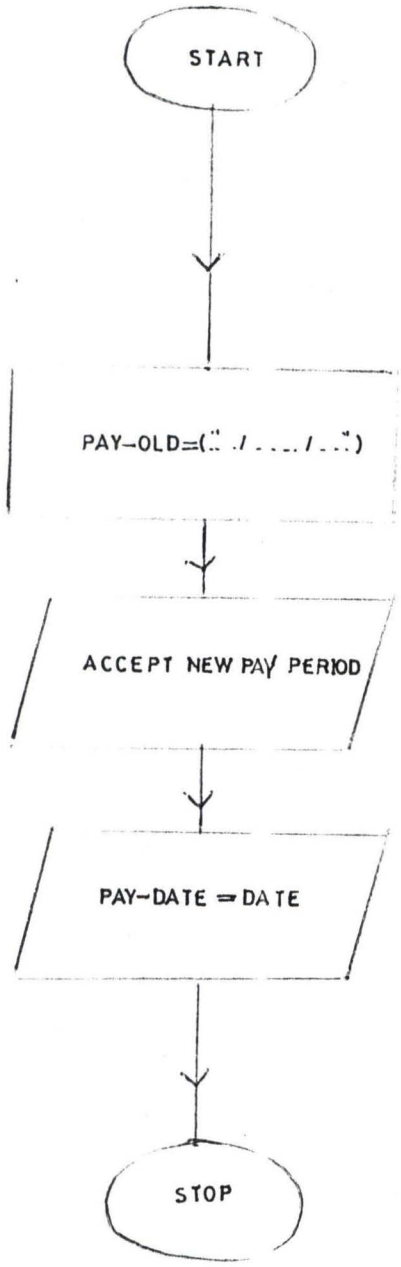
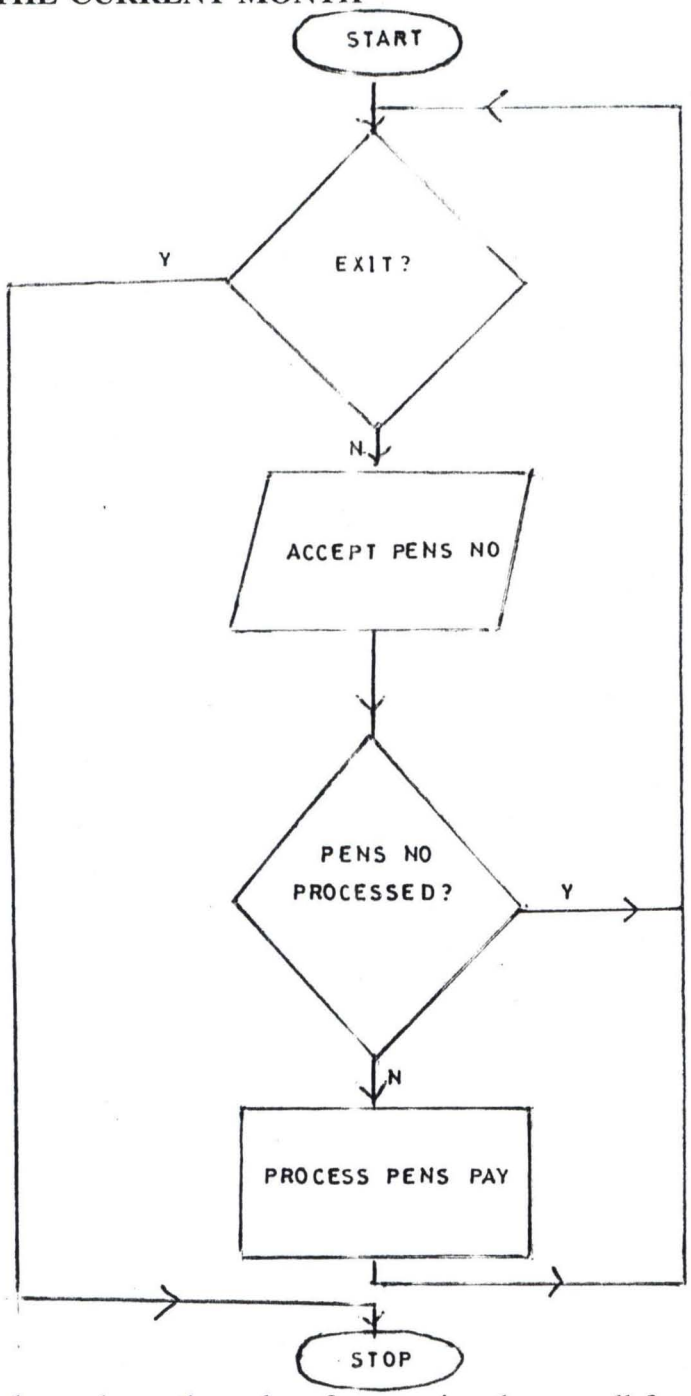


FIG 3.5.6.3 FLOWCHART FOR PROCESSING OF PENSIONEERS' PAYMENT FOR THE CURRENT MONTH



The flowchart above shows the order of processing the payroll for each pensioneer on monthly basis. The user is allowed to exit if he wishes to do so, otherwise a pension number is entered and stored. If the pensioneers payment has been processed, a duplicate is not allowed. The next figure shows the deletion of erroneous pay processed for the current month.

FIG 3.5.6.4 FLOWCHART FOR THE DE E TION OF PENSION PAYMENT FOR CURRENT MONTH.

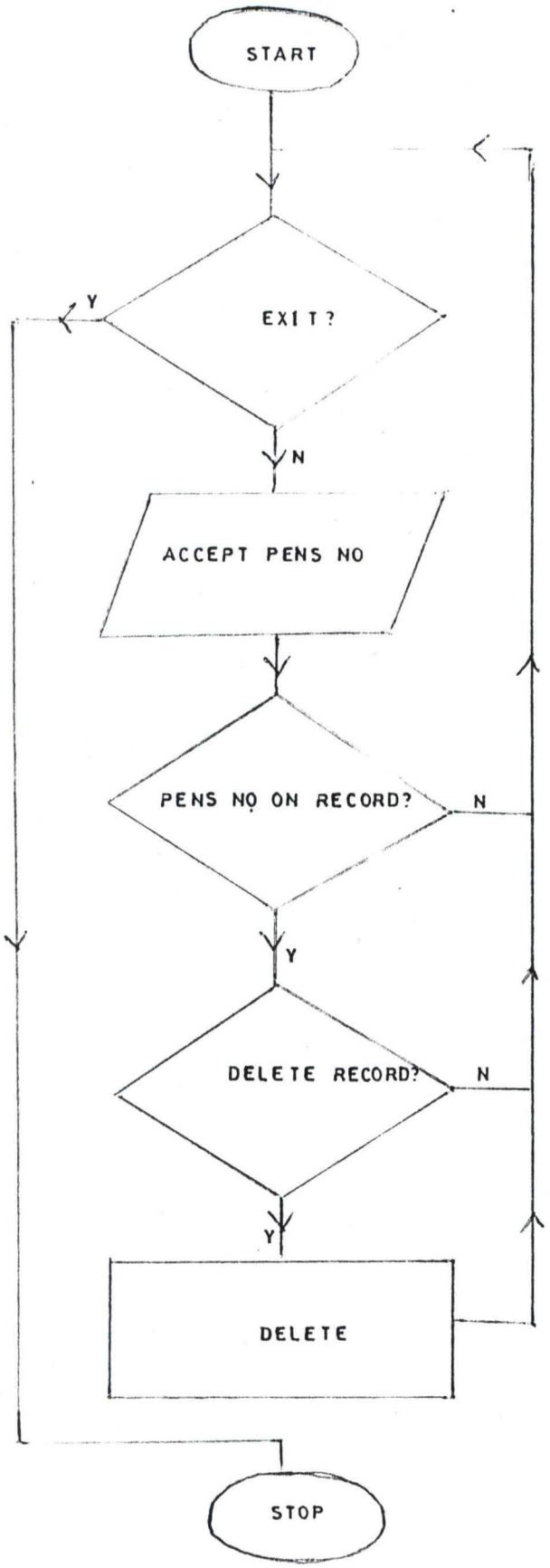
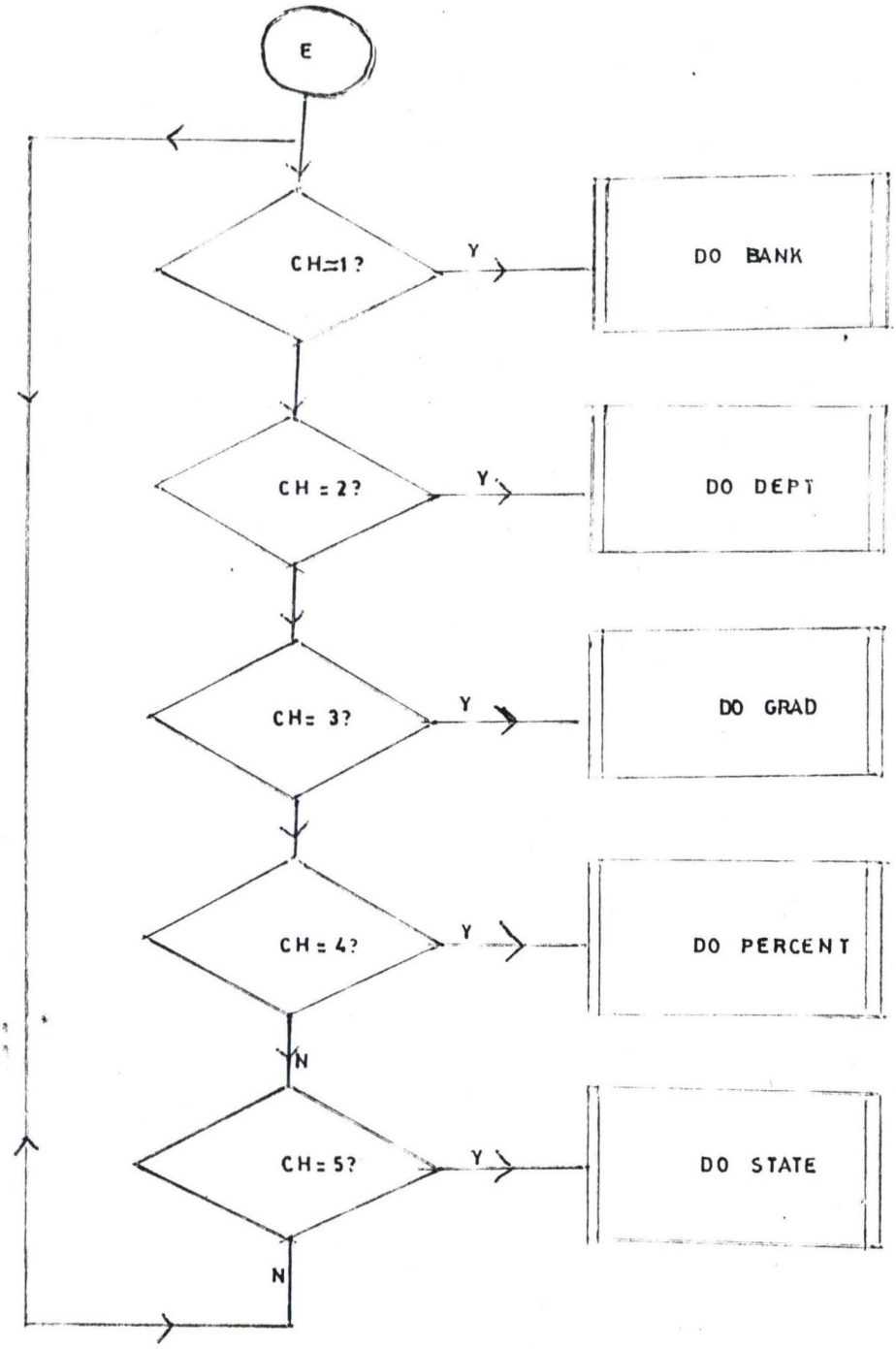


Fig 3.5.7 PROGRAM FLOWCHART FOR THE CODES MENU



Access to the five procedures is obtained from the codes menu. Each of which allows the user to accept, edit or delete a code. The flowchart in figures 3.5.7.1 to 3.5.7.5 illustrates this process.

FIG 3.5.7.1 PROGRAM FLOWCHART FOR THE BANK CODES ENTRY/MODIFICATION.

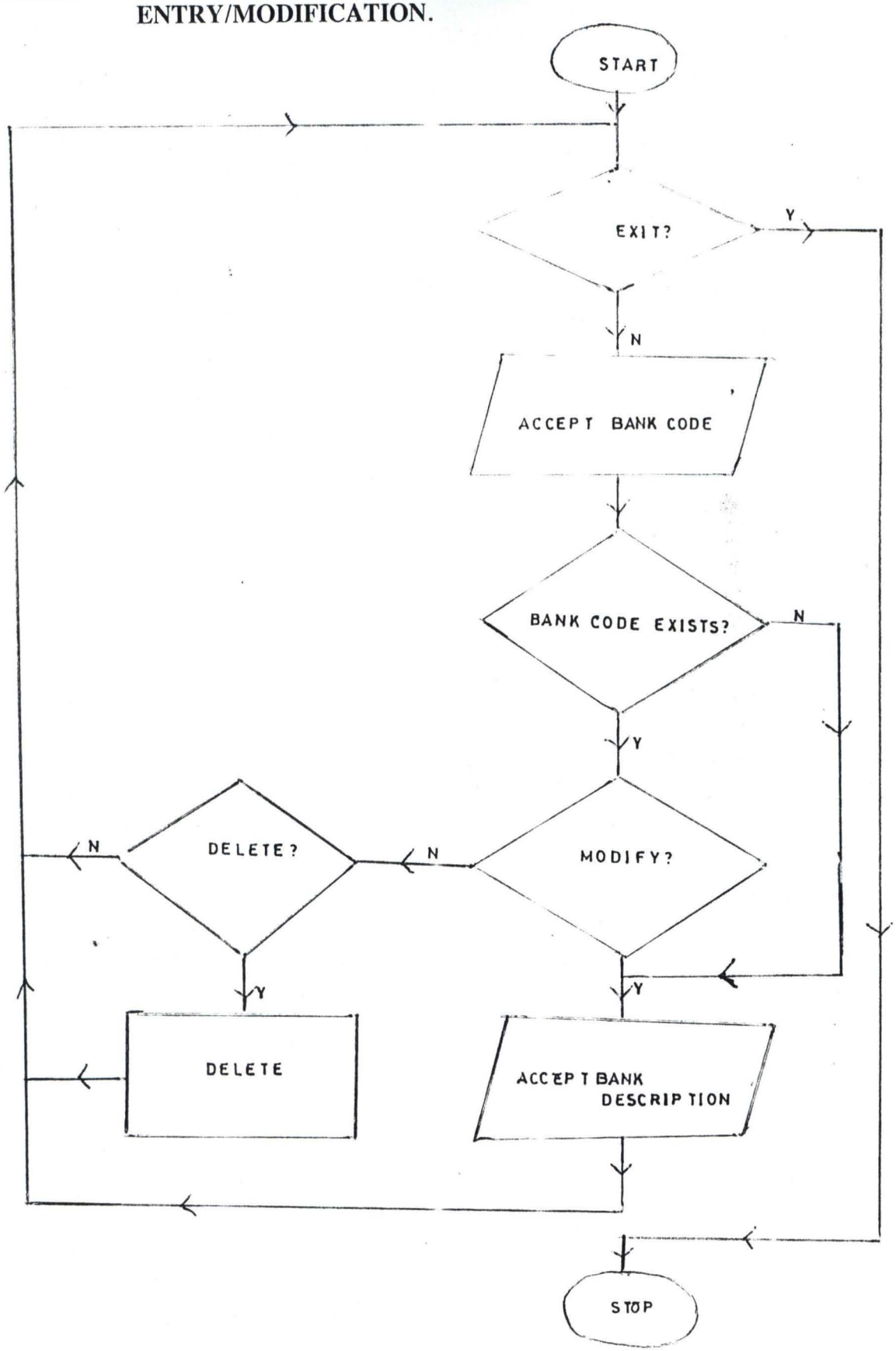


FIG. 3.5.7.2. **PROGRAM FLOWCHART FOR THE DEPARTMENT CODES ENTRY/MODIFICATION.**

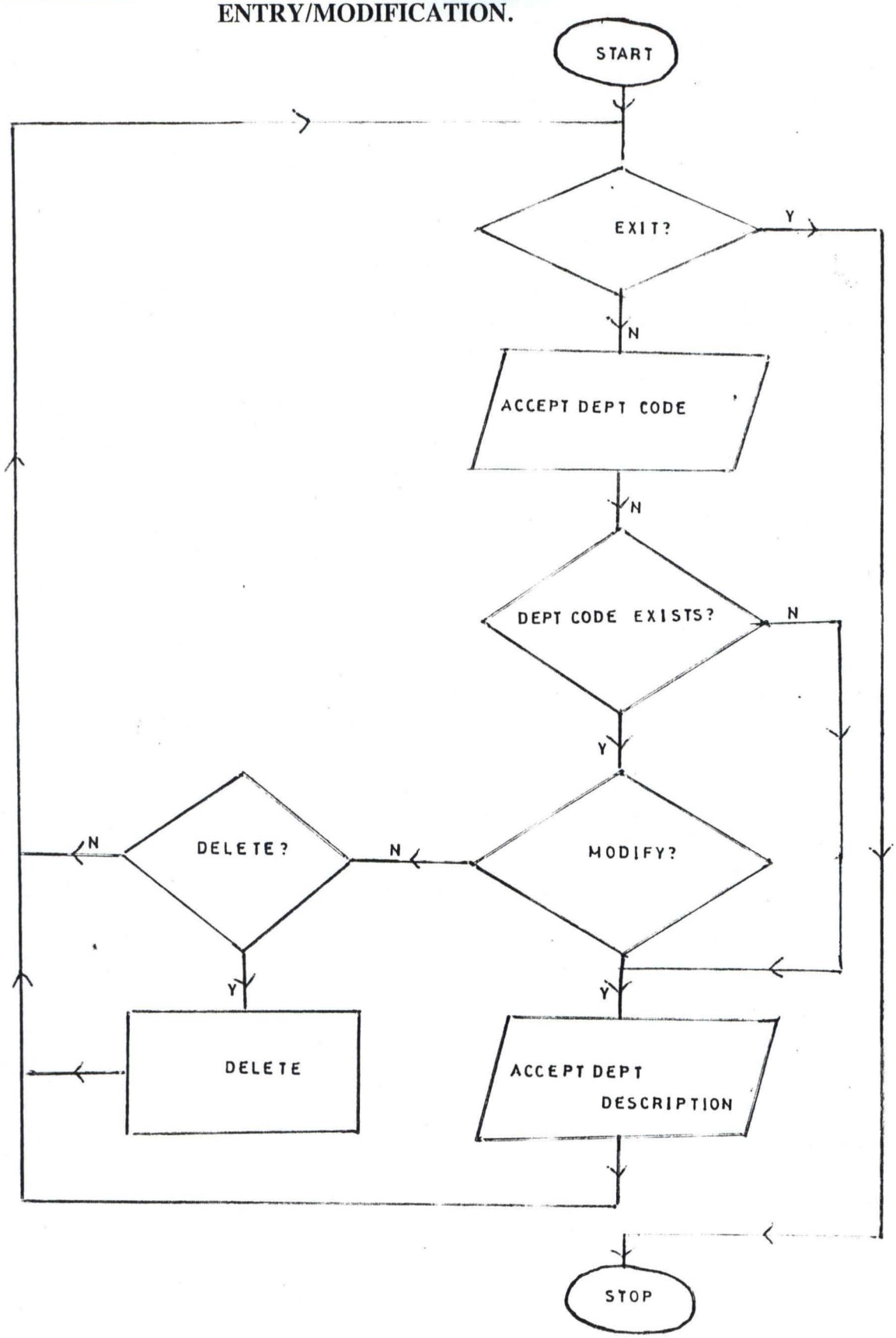


Fig. 3.5.7.3 PROGRAM FLOWCHART FOR THE GRADE CODES ENTRY/MODIFICATION

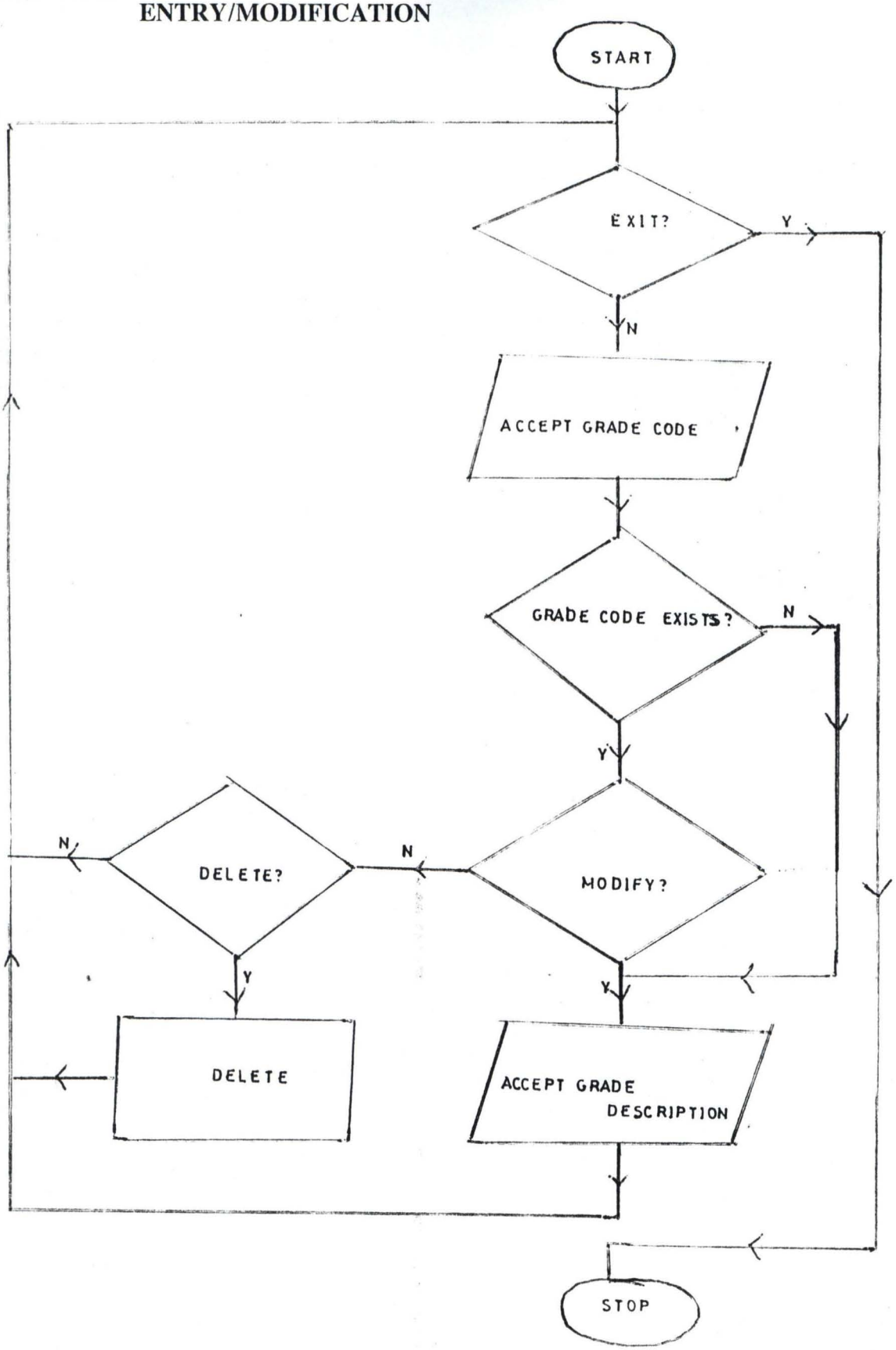


Fig. 3.5.7.4. PROGRAM FLOWCHART FOR THE PERCENT CODES ENTRY/MODIFICATION.

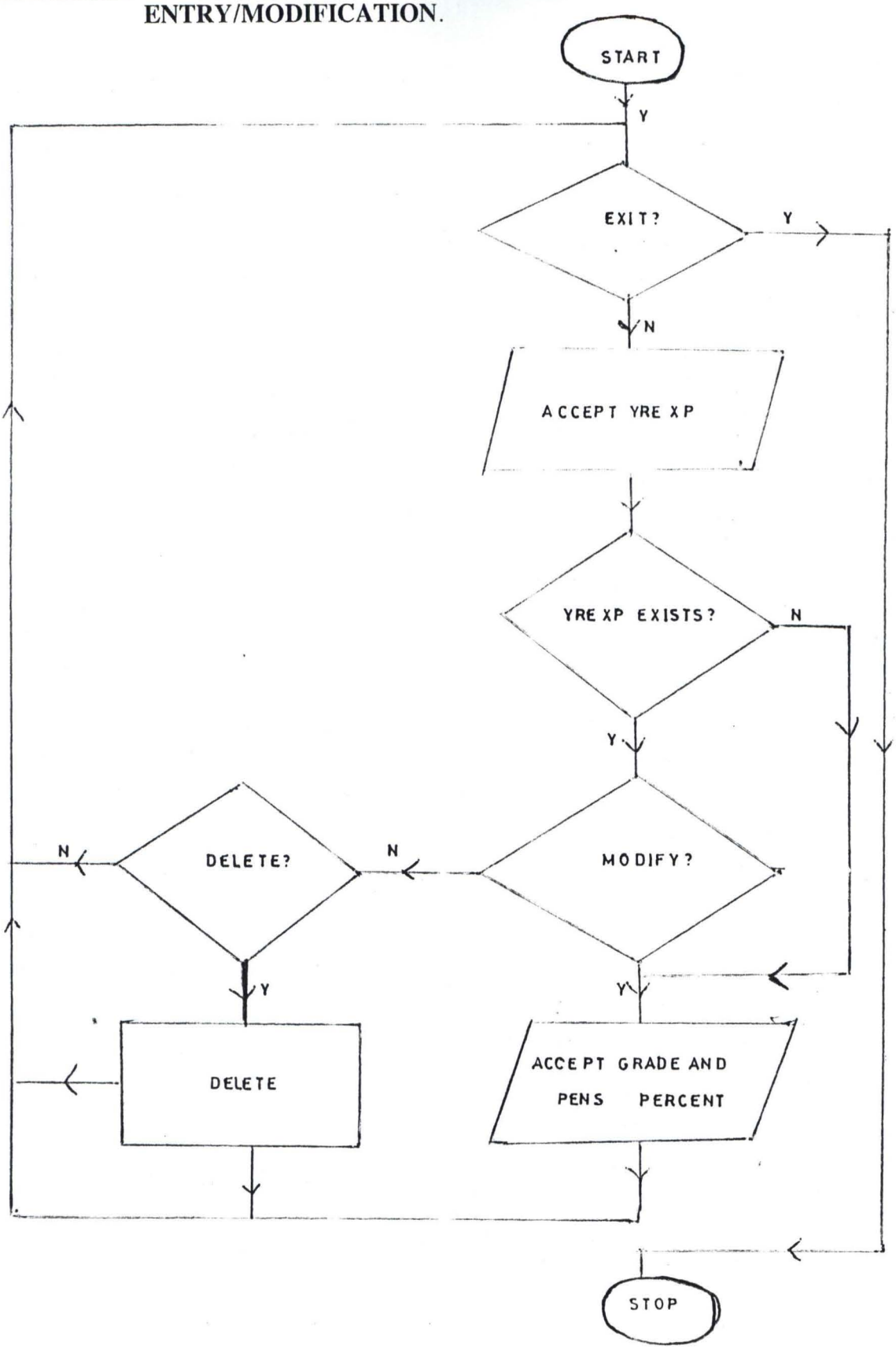


Fig. 3.5.7.5 **PROGRAM FLOWCHART FOR THE STATE CODES ENTRY/MODIFICATION**

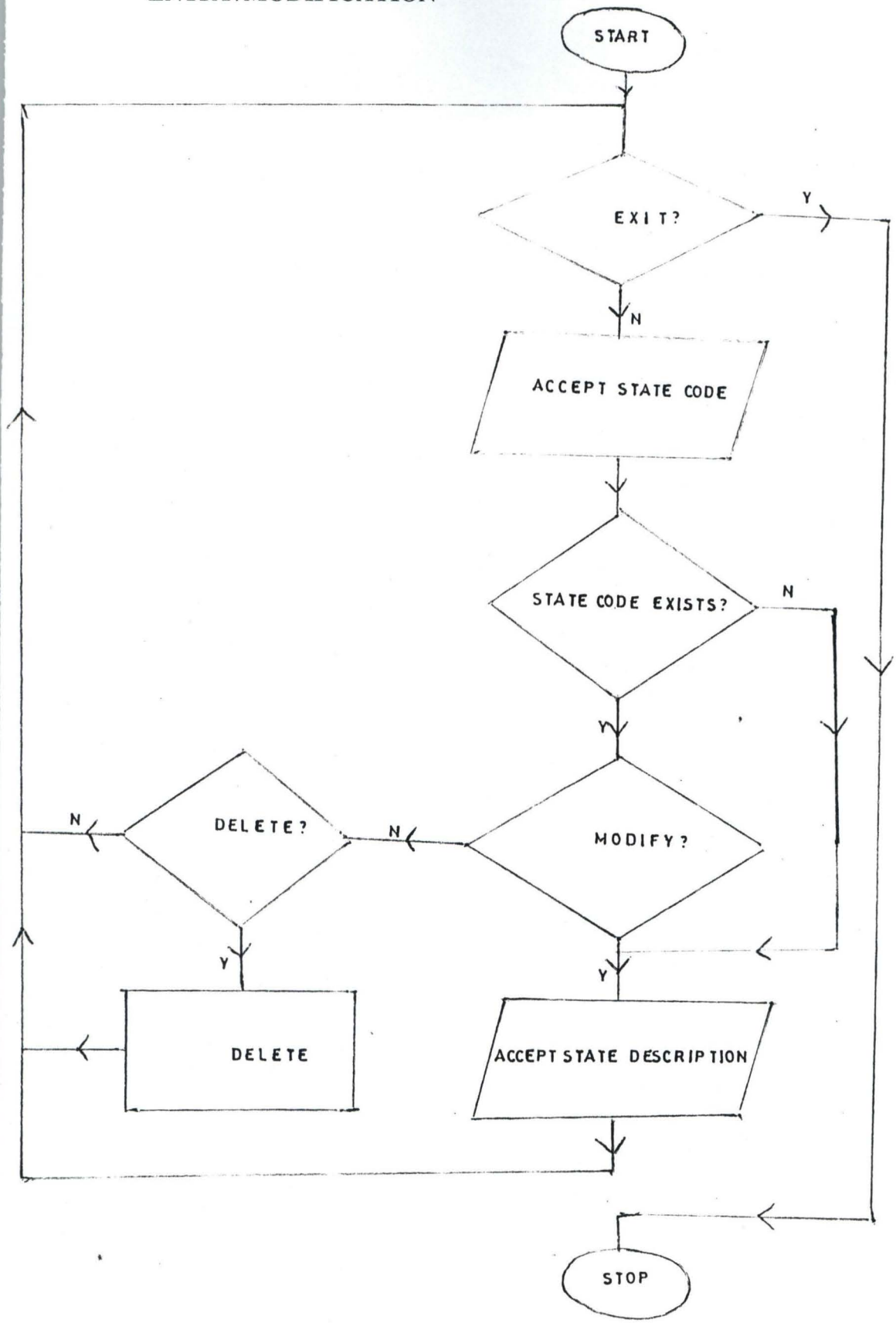
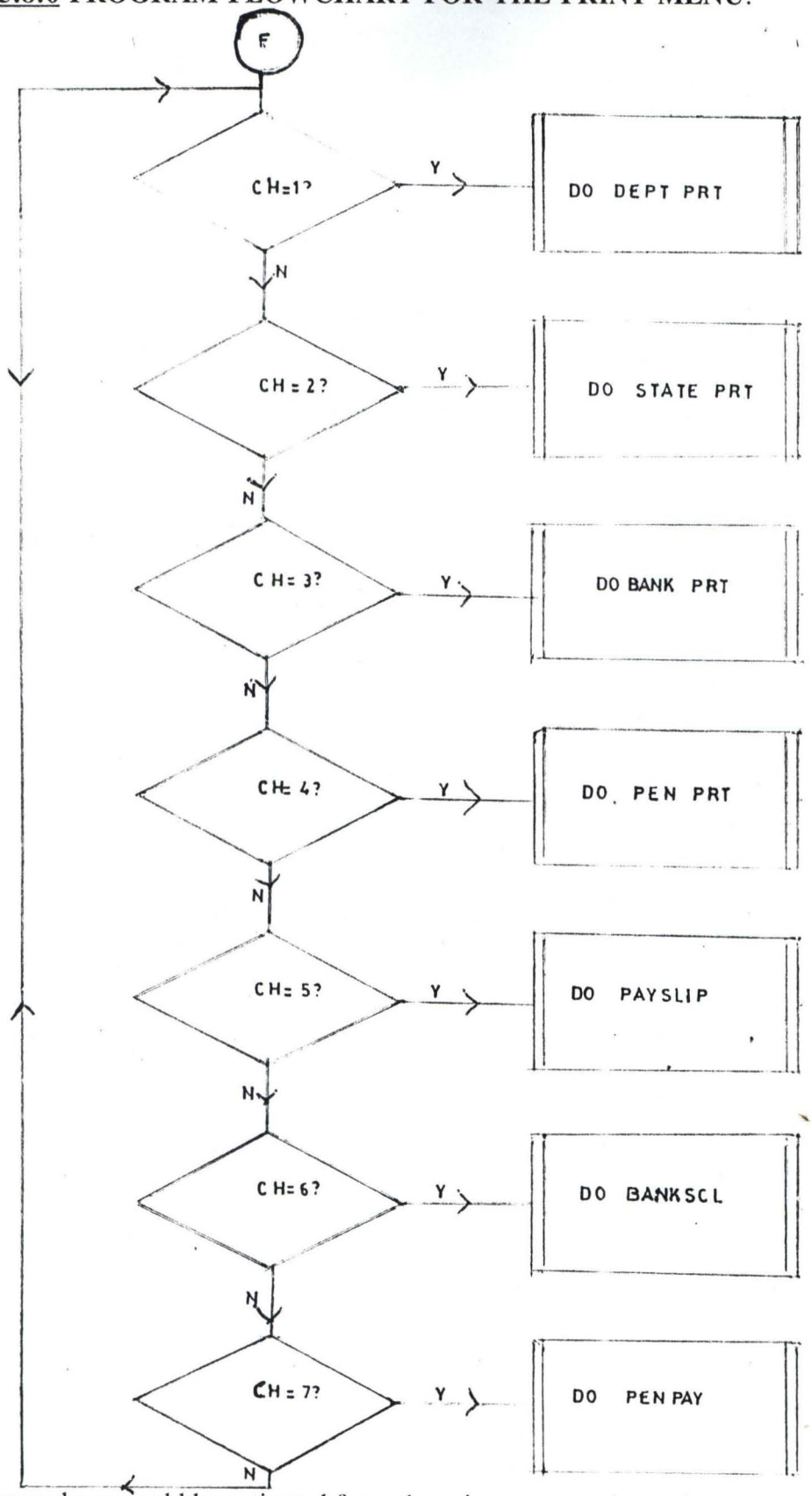


Fig. 3.5.8.0 PROGRAM FLOWCHART FOR THE PRINT MENU.



Seven procedures could be activated from the print menu as shown in the flowchart above. Each procedure produces hard copy of reports depending on the choice of the user.

FIG. 3.5.8.1 **PROGRAM FLOWCHART FOR PRINTING PENSIONEERS DATA BY DEPARTMENT**

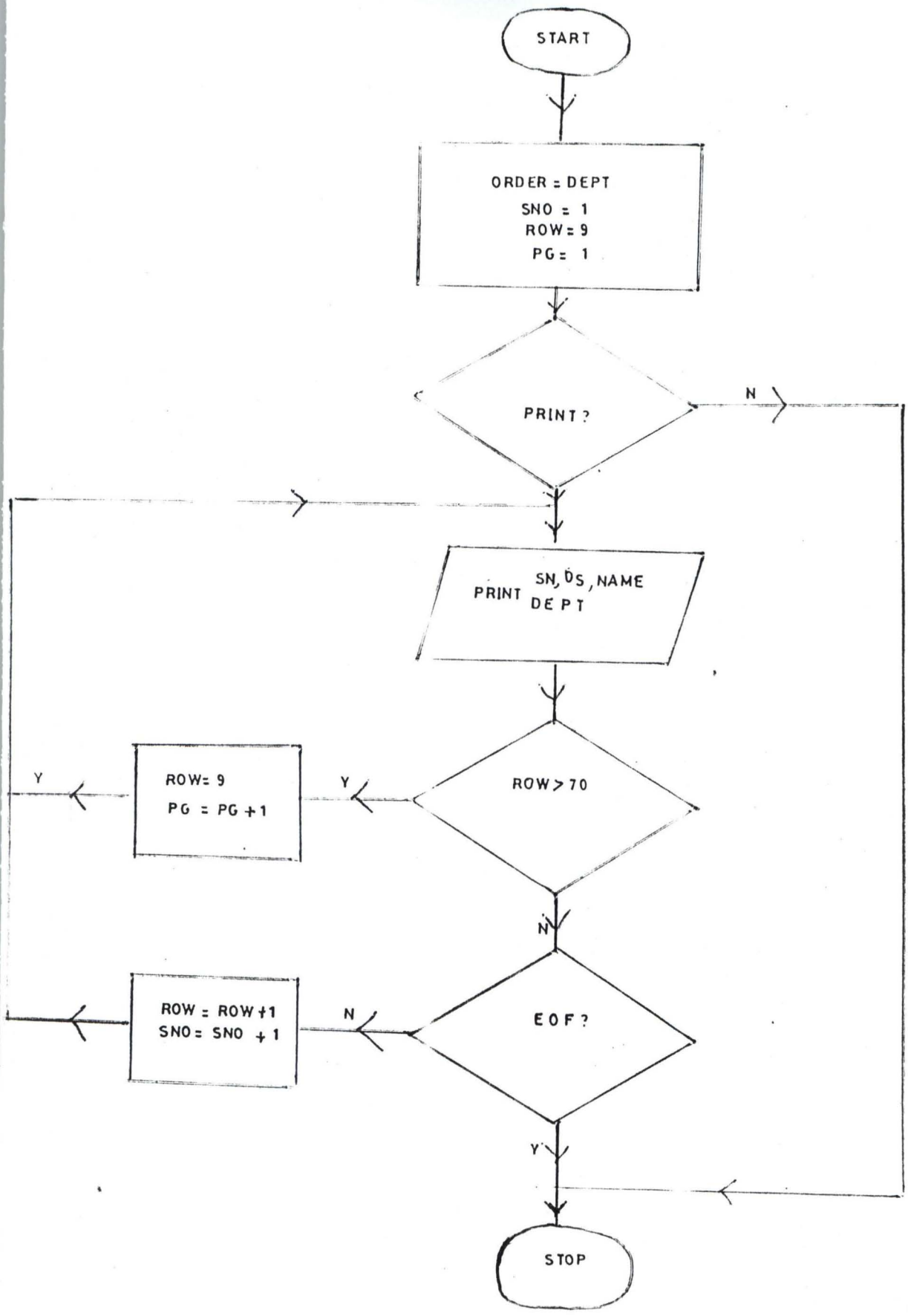


FIG 3.5.8.2 FLOWCHART FOR PRINTING PENSIONEER DATA BY STATE OF ORIGIN

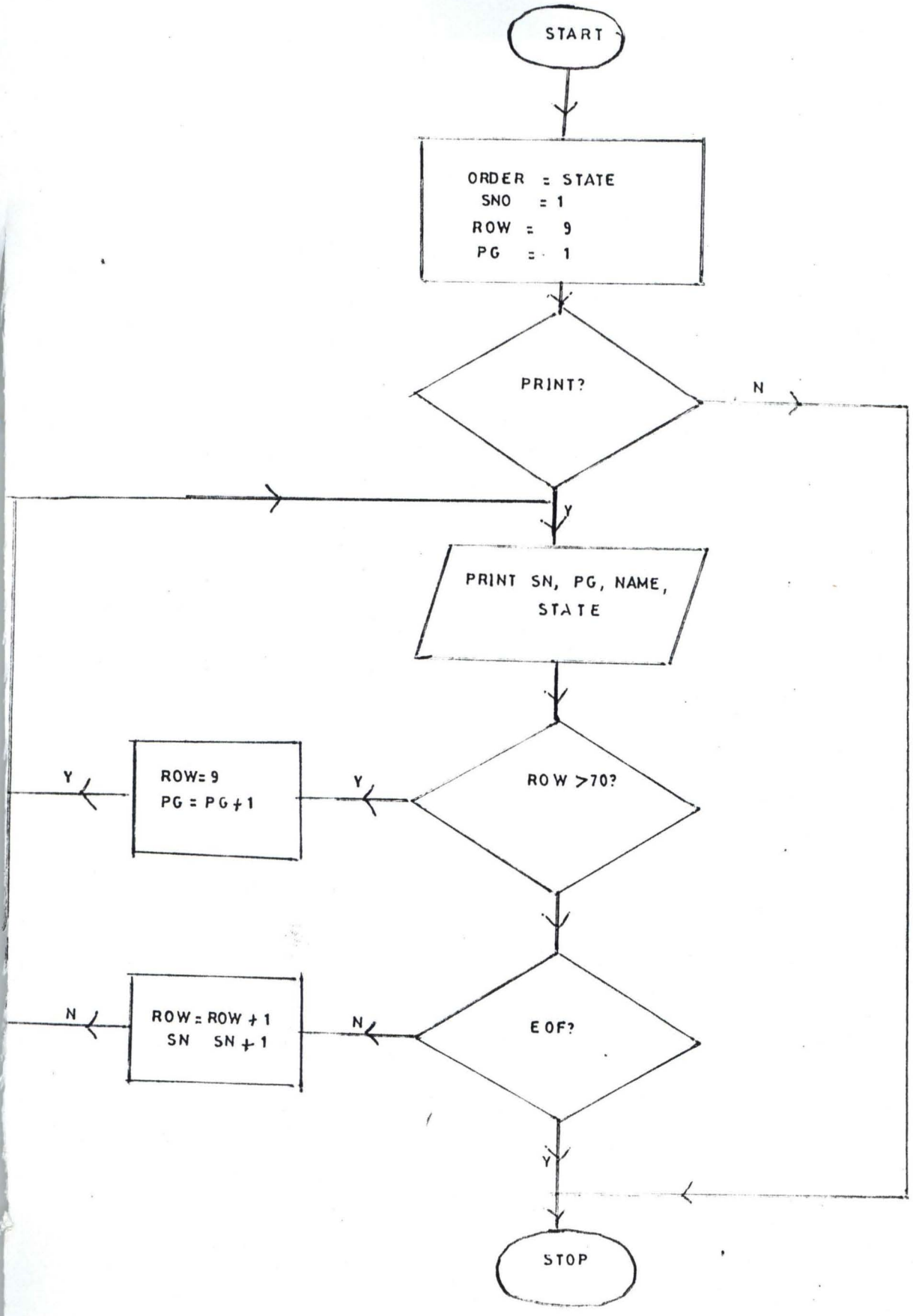


FIG 3.5.8.3 FLOWCHART FOR PRINTING PENSIONEER DATA BY BANK

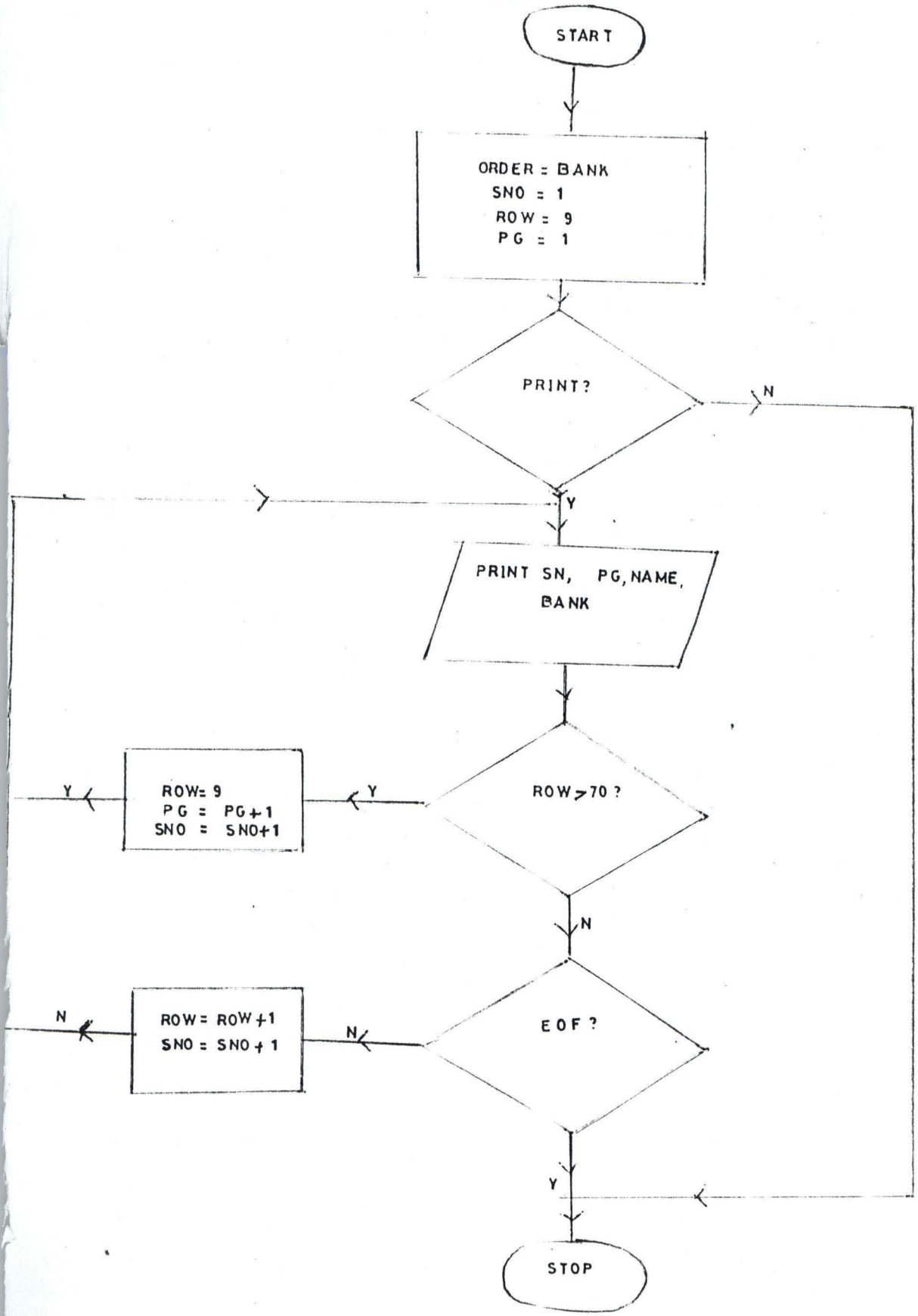


FIG. 3.5.8.4 FLOWCHART FOR PRINTING PENSIONEERS DATA BY PENSION NUMBER

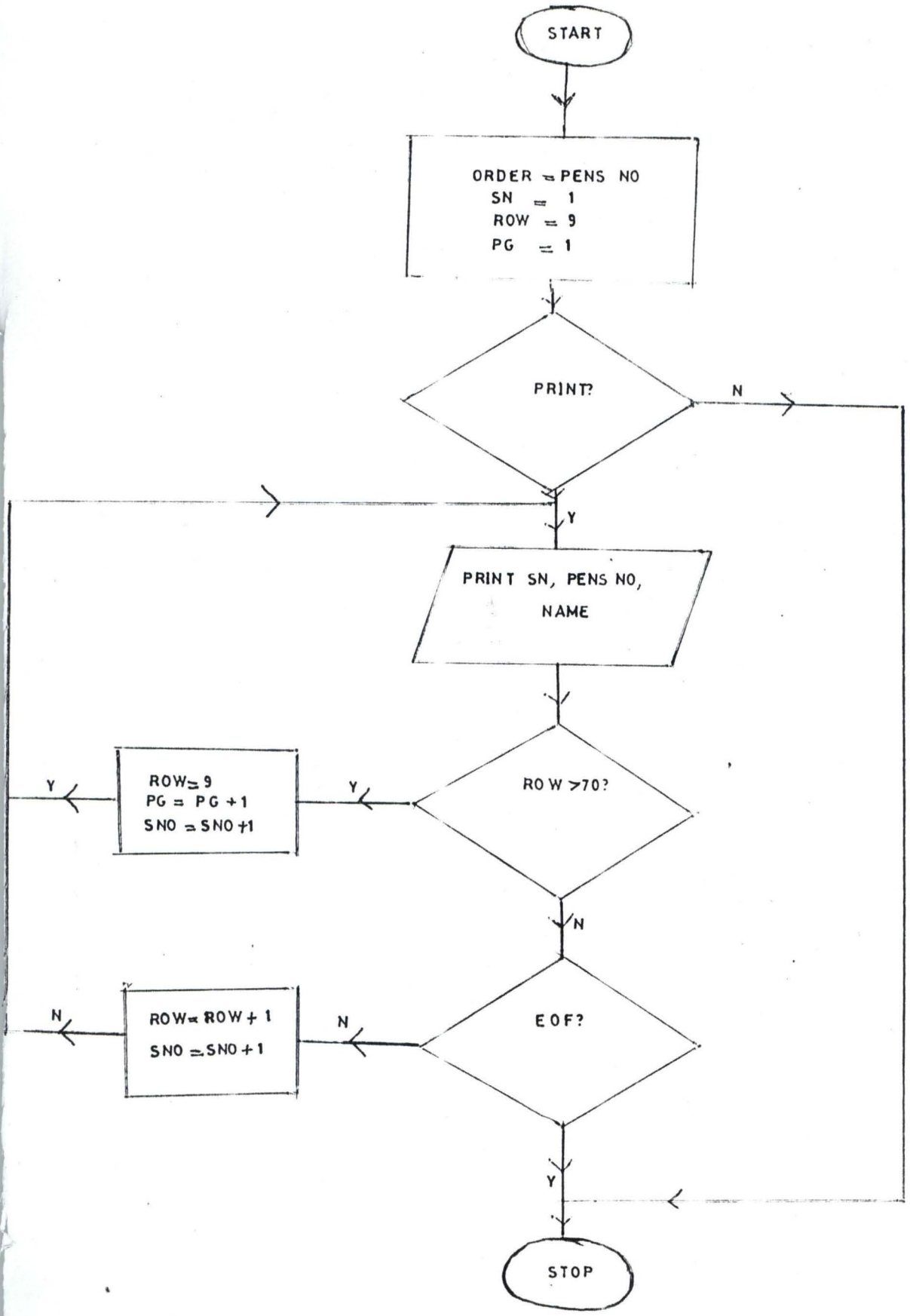


FIG 3.5.8.5 FLOWCHART FOR PRINTING PENSIONEERS PAYSLIP

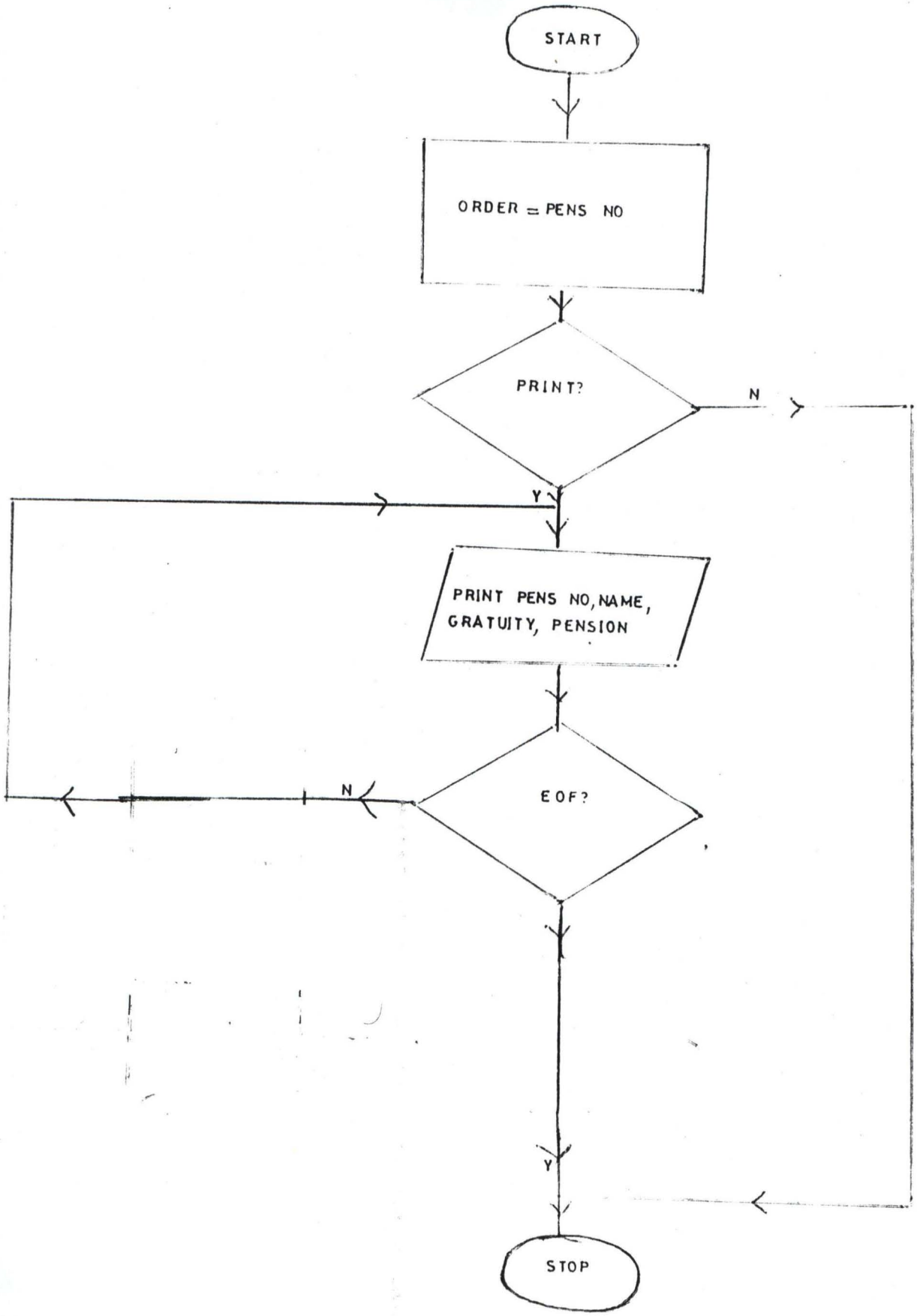


FIG 3.5.8.6 FLOWCHART FOR PRINTING BANK SCHEDULE.

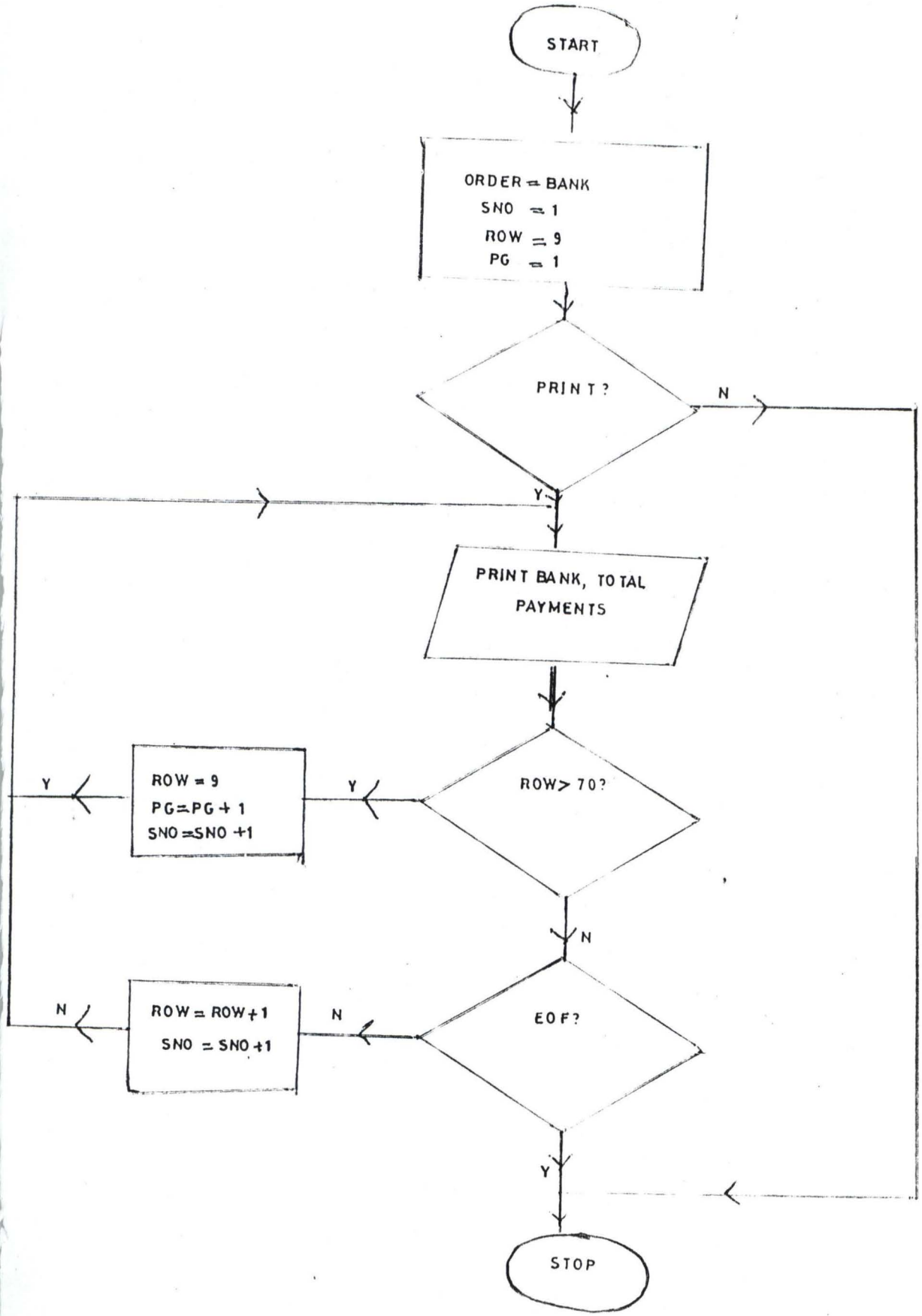
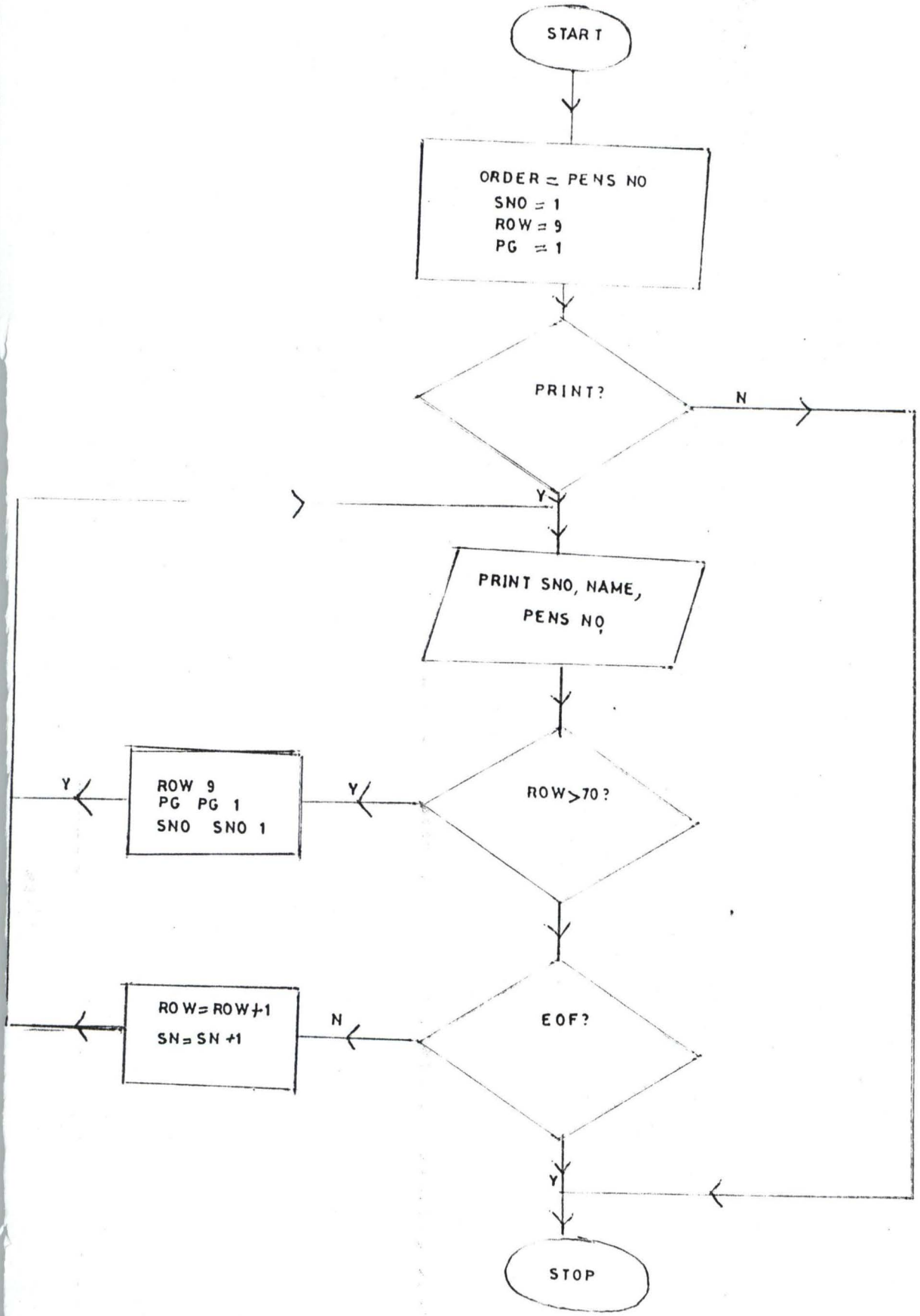


FIG 3.5.8.7 FLOWCHART FOR PRINTING PENSIONEER PAYROLL FOR THE CURRENT MONTH.



CHAPTER FOUR

PENSIONEERS' RECORD SYSTEM EXPERIMENTATION

4.1 INTRODUCTION

The immediate purpose of the pensioneers information system is to get the output required at the right time in the right format and integrate it with the organisation or institutions information system.

The basic points often raised in the production of an output from a system includes

(a) How often are the output required?

(b) Who needs the output and in what form?

(c) Are multiple Copies needed for circulation within and outside the organisation?

(d) Are pre-printed forms needed?

The major users of output from a management information system are the managers and public administrators. Such output comprises a collection of reports often classified into four.

Scheduled reports are produced periodically or on a schedule such as daily, weekly or monthly. A key-indicator report is a special type of scheduled report. It summaries the previous days critical activities, and it is typically available first thing in the morning of each work-day. Demand reports are produced when demanded, while exception reports are automatically produced when a situation is unusual or requires management action.

4.2 OUTPUT OF PENSIONEER RECORDS

The pensioneers' information system builds up data from the pensioneers personal details. An up-to-date record of all pensioneers is duely kept in a database file (Exstaff.dbf) in the

pensioneers' information system.

The output produced could be in printed form (hardcopy) or viewed on screen (Softcopy) depending on the choice of user.

The following are the various form of output derived from the pensioneers information system.

4.2.1 PENSIONEERS LIST BY PENSION NUMBER

A comprehensive list of pensioneers is produced when the penprt program is activated from the print Menu. The list shows the Pensioneers' by Pension number The output is as shown in Table 4.2.1.

4.2.2 PENSIONEERS LIST BY DEPARTMENT

The hardcopy of pensioneers list by department can be obtained from the deptprt. prg program for the print menu. A typical output is as shown in table 4.2.2.

4.2.3 PENSIONEERS LIST BY STATE OF ORIGIN

If the stateprt. prg program is activated from the print menu, a printed output is produced showing the list of pensioneers from each state on a seperate page.

4.2.4. PRINTOUT OF PENSIONEERS LIST DESIGNATED BANK OF PAYMENT

A list of pensioneers' to be paid in each bank is obtained from the bankprt. prg program. The format of the output is as shown in table 4.2.4.

4.2.5 PRINTOUT OF PENSIONEERS PAYSLIP

The payslip for each pensioneer showing some personal details and pension due for current month obtained. The payslip. prg program is activated from the print menu. The printout is as shown in table 4.2.5.

4.2.6 PRINTOUT OF BANK SCHEDULE

The banksch. prg program activated from the print program produces a breakdown of lodgements made to designated banks for the payment of pensions typical bank schedule is as shown in table 4.2.6.

4.2.7 PENSIONEERS PAYROLL

The Penpay. Prg program when activated produces a summary of pensioneers payment for the current month. The output is as shown in table 4.2.7

4.2.8 OUTPUT OF ENQUIRIES

The package gives room for enquiries on pensioneers which is directed to the screen only. Provision is made for pensioneers list by surname, department, state of origin and bank on screen when the Enquiries menu is activated.

Tables 4.2.8. to 4.2.8.4 shows the display of such enquiries on screen.

CHAPTER FIVE

CONCLUSIONS AND RECOMMEDATIONS

5.1 USER'S MANUAL INSTRUCTIONS

The pensioners information system consist of a main menu and other sub menu's.

The main menu consists of the following options

(i) Quit Menu

(ii) Update Menu

(iii) Enquiries Menu

(iv) Utilities Menu

(v) Codes Menu

(vi) Printing Menu

The main menu is activated by typing DO PENSION from the dot prompt and pressing enter key after which the user is requested to enter a password. Access is gained after typing "YINKA"

Each of the main menu items could be selected using the arrow key. The sub-menu in any given menu is activated by using the arrow key to point at it and pressing the enter key.

5.1.1 Quit Menu

Two sub-menu's are contained in the quit menu. One allows the user to quit to the system prompt while the other allows user to quit to Dot prompt in the dbase environment.

5.1.2 Update Menu

New pensioners could be included in the pensioner information system if this menu is chosen and erroneous pension entry could be deleted. The two programs responsible for these

operations are the EXSTAFF.PRG and the EXSTAFDEL.PRG

5.1.3 Enquiries Menu

Enquiries about pensioners could be obtained from the enquiries menu which could produce on screen pensioners list by Name (Namerep.prg), by Department (deptrep.prg), by state of origin (staterp.prg) or by Bank used (Bankrep.prg).

5.1.4 Utilities Menu:

This menu consist of four sub-menus, these are the back-up menu, Reset Pay Menu, payroll operations and Pay deletion Menu.

The Paybkup.prg program performs the monthly backup of the previous month's pay file. The backup operation is very necessary before any pay run.

The PayInit.prg program empties the previous pay data from the transaction file in preparation for the current month's payroll operation.

The Payadd.prg performs the payroll operation for the current month while pay-del.prg makes it possible for the user to delete unwanted entry.

5.1.5 Code Menu

This menu consists of five sub-menu's- Bank.prg, dept.prg, grad.prg, percent.prg, state.prg. Each of these programs allows addition and modification of codes for bank, department, grade levels pension and gratuity percent, and state of origin.

5.1.6 Print Menu

This menu consist of seven sub-menu. Each of which produces a hardcopy according to the choice of the user.

The deptprt.prg, stateprt.prg, bankprt.prg and Penprt.prg produces reports on pensioners by Number, department, state of origin and bank respectively.

The payslip.prg produces on monthly basis a payslips for all pensioners whose pay has been prepared.

The banksch.prg produces a breakdown of lodgements to each bank while the Penpay.prg gives a report on the payroll for the current month.

5.2 SYSTEMS REQUIREMENT

The configuration of a computer system which will effectively execute the application developed in this project include

(a) A visual display unit (V.D.U) preferably a V.G.A 14" color monitor which will produce a fine output of the screen designs

(b) A 101 enhanced standard keyboard which is compatible with all IBM compatible and it runs with most software.

(c) A hard disk with at least 150Mg of memory to store the dbase4 program files, data and records

(d) A floppy disk drive of 3.5" to be used for backup of records

(e) A System Unit with at least four megabytes of RAM to run the database packages effectively

(f) Any DOS based operating System

(g) A 24 pin carriage printer to obtain required hardcopy from time to time.

(h) Uninteruptible power supply to guide against accidental erasure of programs and/or data arising from inconsistent power supply.

5.3 COST AND BENEFIT ANALYSIS

The growth in the number of personnel data systems in industry today has come about due to the advantages that such systems can provide to the personnel function. One advantage is that such systems make it possible to store and retrieve the vast amounts of information about pensioners which are so vitally needed to properly exercise the responsibilities of the accounts department.

The pensioners information system is capable not only of providing large qualities of information but also of relating varions pieces of information via manual means.

Another benefit is that such data can be made available at a very nominal incremental cost where earlier it would only be possible to provide the information by a laborious manual means.

A mechanized pensioners system provides for a degree of accuracy that otherwise might not be obtained. For example, the recording of pensioners data in papers kept in file folders which is done by the executive officers to be later reviewed or audited only at such time that the data is needed.

However, in the automated system, adequate provision is made to check errors and possibly edit erroneous data. Generation of reports is done in seconds and enquiries could be made by the touch of the button.

Also, there is tendency to place a greater emphasis upon the accuracy of data throughout the pensioners' data system because such data is normally provided to management in various summary reports.

In general, real savings is not realized in the creation and maintenance of data but rather in the improved management decisions which are possible through the availability of such data

5.4 RECOMMENDATIONS

This project work provides a simple package for the implementation of a pensioners information system. The package could be used in any institution or organization whose pensioners' are growing at a fast rate. It has actually been designed for the University of Ibadan but it could be used by other institutions with little modification.

It is hoped that this package will serve the purpose of keeping vast amount of information about pensioners.

On the basis of the findings during the conduct of this project, I hereby recommend the following for the University of Ibadan management.

5.4.1 Hardware Acquisition

A computer system should be purchased as specified in the system specification

5.4.2 Installation

The package on the pensioners information system contained in the diskette labelled 1 should be installed on the hard disk.

5.4.3 Training

A computer literacy course should be organized for all members of staff of the pensions unit.

5.4.4 Changeover

The change in format of the forms to be filled by all pensioners at completion of service to meet the data requirement of the new system.

REFERENCES

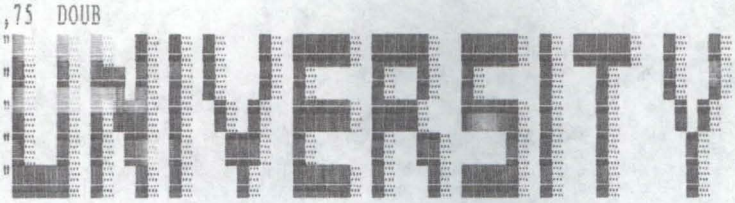
1. Croft, Arthur C. (1964): Personnel Management: Alexander Hamilton Institute, New York 1964 pg. 193-701.

2. Famularo, Joseph J. (1982): Handbook of Personnel forms, records (Unpublished)

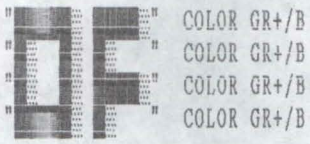
3. FRN (1981): A Report of the Presidential Commission on Salary and Conditions of services of University Staff pg. 292-316 and reports McGraw-Hill Inc. pp.299

4. Mize, J.L. & Cotterman W.W (1978): Essentials of COBOL Programming - Wadsworth publishing company Inc. Belmont California. pg. 260-266.

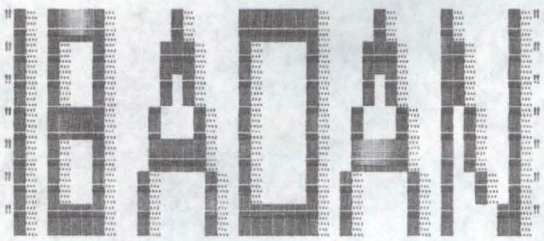
```
* PROGRAM NAME   : UISCR1
* AUTHOR         : ABDULAZEEZ , S . A
CLEAR
*SET TALK OFF
*SET STAT OFF
*SET SCOR OFF
*I = 0
@00,00 TO 22,75  DOUB
@01,08 SAY "
@02,08 SAY "
@03,08 SAY "
@04,08 SAY "
@05,08 SAY "
```



```
" COLOR GR+/B
" COLOR GR+/B
" COLOR GR+/B
" COLOR GR+/B
" COLOR GR+/B
*
*
@08,34 SAY
@09,34 SAY
@10,34 SAY
@11,34 SAY
```



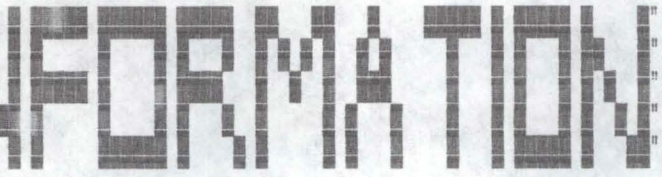
```
" COLOR GR+/B
" COLOR GR+/B
" COLOR GR+/B
" COLOR GR+/B
*
*
@14,16 SAY "
@15,16 SAY "
@16,16 SAY "
@17,16 SAY "
@18,16 SAY "
@19,16 SAY "
@20,16 SAY "
```



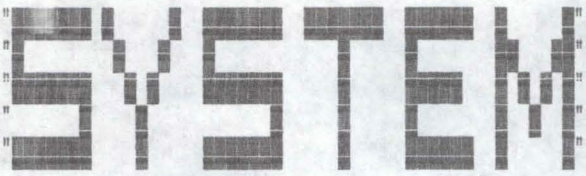
```
" COLOR GR+/B
" COLOR GR+/B
" COLOR GR+/B
" COLOR GR+/B
" COLOR GR+/B
" COLOR GR+/B
" COLOR GR+/B
I = 0
I = INKEY(1.0)
* Clear the Screen
r1 = 79
r2 = 00
DO WHILE r2 =< 40
@00,r2  CLEAR  TO 24,r2
I = 0
I = INKEY(0.15)
r2 = r2 + 1
ENDDO
DO WHILE r1 >= 40
@00,r1  CLEAR  TO 24,r1
I = 0
I = INKEY(0.15)
r1 = r1 - 1
ENDDO
*CLEAR
*CLEAR ALL
*SET STAT ON
*SET SCOR ON
*SET TALK ON
*EOF
return
```

```
* PROGRAM NAME    : UISCR2.PRG
*
*
CLEAR
*SET TALK OFF
*SET STAT OFF
*SET SCOR OFF
*I = 0
@00,03 TO 21,77 DOUB  COLOR W+/B
@02,08 SAY "
@03,08 SAY "
@04,08 SAY "
@05,08 SAY "
@06,08 SAY "
```

```
" COLOR GR+/B
" COLOR GR+/B
" COLOR GR+/B
" COLOR GR+/B
" COLOR GR+/B
*
*
@09,09 SAY "
@10,09 SAY "
@11,09 SAY "
@12,09 SAY "
@13,09 SAY "
```



```
" COLOR GR+/B
" COLOR GR+/B
" COLOR GR+/B
" COLOR GR+/B
" COLOR GR+/B
*
@15,16 SAY "
@16,16 SAY "
@17,16 SAY "
@18,16 SAY "
@19,16 SAY "
```



```
" COLOR GR+/B
" COLOR GR+/B
" COLOR GR+/B
" COLOR GR+/B
" COLOR GR+/B
* Clear the screen
I = 0
I = INKEY(1.0)
r1 = 79
r2 = 1
DO WHILE r2 =< 40
@00,r2 CLEAR TO 24,r2
I = 0
I = INKEY(0.15)
r2 = r2 + 1
ENDDO
DO WHILE r1 >= 40
@00,r1 CLEAR TO 24,r1
I = 0
I = INKEY(0.15)
r1 = r1 - 1
ENDDO

*CLEAR
*SET STAT ON
*SET SCORE ON
*SET TALK ON
*EOF
 RETURN
```

```
*PROGRAM NAME : PENSION.PRG
*AUTHOR       :
SET STAT OFF
SET SCORE OFF
SET TALK OFF
SET ECHO OFF
CLEAR
       SET COLO TO W+/B+, n/gb
       SET COLO OF BOX TO  GR+/N
       SET BORDER TO     && SINGLE
       SET BELL OFF
       *DO password
       *DO uiscr1
       *DO uiscr2
       DO mainmenu
       ON PAD men_1 OF main ACTIVATE POPUP men_1
       ON PAD men_2 OF main ACTIVATE POPUP men_2
       ON PAD men_3 OF main ACTIVATE POPUP men_3
       ON PAD men_4 OF main ACTIVATE POPUP men_4
       ON PAD men_5 OF main ACTIVATE POPUP men_5
       ON PAD men_6 OF main ACTIVATE POPUP men_6
              ON SELECTION POPUP men_1  DO c_1
              ON SELECTION POPUP men_2  DO c_2
              ON SELECTION POPUP men_3  DO c_3
              ON SELECTION POPUP men_4  DO c_4
              ON SELECTION POPUP men_5  DO c_5
              ON SELECTION POPUP men_6  DO c_6
       SET BORDER TO DOUB
            ACTIVATE MENU main
       PROCEDURE mainmenu
       DEFINE MENU main
       DEFINE PAD men_6  OF main PROMPT "QUIT"  AT  1,02
       DEFINE PAD men_1  OF main PROMPT "UPDATE"  AT 1,10
       DEFINE PAD men_2  OF main PROMPT "ENQUIRIES"  AT 1,20
       DEFINE PAD men_3  OF main PROMPT "UTILITIES" AT  1,33
       DEFINE PAD men_4  OF main PROMPT "CODES"   AT 1,46
       DEFINE PAD men_5  OF main PROMPT "PRINTING"   AT 1,55
       *
       *-------------------------------------------------------------*
       DEFINE POPUP men_1 FROM 2,10 MESSAGE "Update record"
       DEFINE BAR 01 OF men_1 PROMPT "Add Ex-Staff"
       DEFINE BAR 02 OF men_1 PROMPT "Delete Ex-staff"
       *
       DEFINE POPUP men_2 FROM 2,20 MESSAGE "Ex-staff Enquiries and queries by "
       DEFINE BAR 01 OF men_2 PROMPT "Surname"
       DEFINE BAR 02 OF men_2 PROMPT "Department"
       DEFINE BAR 03 OF men_2 PROMPT "State"
       DEFINE BAR 04 OF men_2 PROMPT "Bank"
       *
       DEFINE POPUP men_3 FROM 2,33 MESSAGE " Monthly utility Transactions"
       DEFINE BAR 01  OF men_3  PROMPT "Monthly Backup"
       DEFINE BAR 02  OF men_3  PROMPT "Reset Pay file "
       DEFINE BAR 03  OF men_3  PROMPT "Payroll Operation"
       DEFINE BAR 04  OF men_3  PROMPT "Pay Deletion"
       *
```

```
DEFINE POPUP men_4 FROM 2,46 MESSAGE "Modify,Delete or add codes"
DEFINE BAR 01  OF men_4  PROMPT "Bank"
DEFINE BAR 02  OF men_4  PROMPT "Department"
DEFINE BAR 03  OF men_4  PROMPT "Grade"
DEFINE BAR 04  OF men_4  PROMPT "Percentages"
DEFINE BAR 05  OF men_4  PROMPT  "State"
*
DEFINE POPUP men_5 FROM 2,55  MESSAGE "Printing pensioneers record "
DEFINE BAR 01  OF men_5 PROMPT  "By Department "
DEFINE BAR 02  OF men_5 PROMPT  "By State of Origin"
DEFINE BAR 03  OF men_5 PROMPT  "By Bank "
DEFINE BAR 04  OF men_5 PROMPT  "By Pension number "
DEFINE BAR 05  OF men_5 PROMPT  "Pay slips"
DEFINE BAR 06  OF men_5 PROMPT  "Bank schedule "
DEFINE BAR 07  OF men_5 PROMPT  "Payroll "
*
DEFINE POPUP men_6 FROM 2,02  MESSAGE "QUIT OPERATIONS"
DEFINE BAR 01  OF men_6 PROMPT  "QUIT to DOS"
DEFINE BAR 02  OF men_6 PROMPT  "QUIT to Dot Prompt"
SET BELL ON
SET STAT ON
SET SCOR ON
SET TALK ON
RETURN
*
PROCEDURE c_1
   SAVE SCREEN TO backg
    DO CASE
    CASE BAR() = 1
      DO exstaff
    CASE BAR() = 2
      DO exstafde
   ENDCASE
   RESTORE SCREEN FROM backg
RETURN
*
PROCEDURE c_2
  SAVE SCREEN TO backg
  DO CASE
  CASE BAR() = 1
         DO namerep
  CASE BAR() = 2
         DO deptrep
  CASE BAR() = 3
         DO staterep
  CASE BAR() = 4
         DO bankrep
  ENDCASE
  RESTORE SCREEN FROM backg
RETURN
*
PROCEDURE c_3
SAVE SCREEN TO backg
  DO CASE
  CASE BAR() = 1
```

```
        DO PAY_BKUP
    CASE BAR() = 2
        DO PAY_INIT
    CASE BAR() = 3
        DO PAY_add
    CASE BAR() = 3
        DO PAY_del
    ENDCASE
    RESTORE SCREEN FROM backg
    RETURN
*
PROCEDURE c_4
SAVE SCREEN TO backg
DO CASE
        CASE BAR() = 1
          DO bank
        CASE BAR() = 2
          DO dept
        CASE BAR() = 3
          DO grad
        CASE BAR() = 4
          DO percent
        CASE BAR() = 5
          DO state
ENDCASE
RESTORE SCREEN FROM backg
RETURN
*
PROCEDURE c_5
  SAVE SCREEN TO backg
  DO CASE
  CASE BAR() = 1
        DO deptprt
  CASE BAR() = 2
        DO stateprt
  CASE BAR() = 3
        DO bankprt
  CASE BAR() = 4
        DO penprt
  CASE BAR() = 5
       DO payslip
  CASE BAR() = 6
        DO banksch
  CASE BAR() = 7
        DO penpay

  ENDCASE
  RESTORE SCREEN FROM backg
  RETURN
*
PROCEDURE c_6
  SAVE SCREEN TO backg
  DO CASE
  CASE BAR() = 1
       CLEAR
```

```
            QUIT
        CASE BAR() = 2
              CLEAR
            DEACTIVATE MENU
        ENDCASE
        RESTORE SCREEN FROM backg
      RETURN
    *
    PROCEDURE PASSWORD
            I = 0
            choice = 0
            password = SPACE(5)
            @05,10 SAY "Enter Password :"
            SET COLOR TO n/n,n/n
            @05,25 GET password PICT "@!"
            READ
            IF password # "YINKA"
            SET COLOR TO w+/b+,b+/GB
            @05,00 CLEAR
            @05,10 SAY " Illegal password ..... Program terminating "
            I = INKEY(1.5)
            QUIT
            ELSE
               SET COLOR TO w+/B+,b+/GB
            ENDIF
       RETURN
     *
     PROCEDURE CLEASC
      r1 = 78
      r2 = 1
            DO WHILE r1 > 40
            @01,r1 CLEAR TO 24,r1
            I = 0
            I = INKEY(0)
            r1 = r1 - 1
            ENDDO
            DO WHILE r2 < 40
            @01,r2 CLEAR TO 24,r2
            I = 0
            I = INKEY(0)
            r2 = r2 + 1
            ENDDO
      RETURN
*  EOF()
```

```
* PROGRAM NAME     :  EXSTAFF.PRG
* AUTHOR           :  ABDULAZEEZ,  S. A
* DESCRIPTION      :  This is the masterfile. It accepts the pensioneer
*                     Records
* DATE WRITTEN     :  20-07-1997
* DATE MODIFIED    :  02-11-1997
CLOSE ALL
SET ECHO OFF
SET TALK OFF
************************************************************
*    set environment variables                             *
************************************************************
SET DATE BRITISH
************************************************************
*     create work areas                                    *
************************************************************
SELECT 7
  USE BANK ORDER BANKCOD
SELECT 6
  USE DEPT ORDER DEPTCOD
SELECT 5
  USE STATE ORDER STATECOD
SELECT 4
  USE LOAN ORDER LOANCOD
SELECT 3
  USE GRAD ORDER LEVEL
SELECT 2
  USE PERCENT ORDER YREXP
SELECT 1
  USE EXSTAFF ORDER EXSTAFFNUM
************************************************************
*   This is the main loop that controls the program        *
************************************************************
DO WHILE .T.
  CLEAR
  DO screen       &&  Performs Screen design
  DO screen1      &&
  DO init1        &&  initialises memory variables
 *
 SELECT 1
 mexstafnum = SPACE(8)
 @23,22  CLEAR TO 23,78
 @23,22  SAY "Enter ex-service number or Press Enter Key to Exit "   COLO W*/R
 @07,25  GET mexstafnum  PICT "@!"
 READ
       IF mexstafnum = SPACE(8) .OR. LASTKEY() = 27
       CLEAR
       EXIT       &&  Allows user to exit
       ENDIF
           SEEK  mexstafnum     && Determines if record already exists
         IF  FOUND()

             @23,22 CLEAR TO 23,78
             @23,22 SAY "Record already exists >> Press any Key to continue" color W+*/R
             I=0
```

```
        @07,44 SAY IIF(SEX = "M","Male", "Female")
        @07,68 SAY IIF(MARITAL = "M","Married ", "Single ")
        @08,15 SAY LTRIM(TRIM(SUR_NAM))
        @08,50 SAY LTRIM(TRIM(NAMES))
        @09,21 SAY BDATE
        @09,50 SAY LTRIM(TRIM(STATEDES))
        @10,15 SAY LTRIM(TRIM(ADDRES1))
        @11,15 SAY LTRIM(TRIM(ADDRES2))
        @12,25 SAY LTRIM(TRIM(DEPTDES1))
        @12,65 SAY EMP_DATE
        @13,25 SAY PAY
        @15,40 SAY LTRIM(TRIM(NEXT_KIN))
        @16,40 SAY LTRIM(TRIM(KIN_REL))
        @17,40 SAY LTRIM(TRIM(KIN_ADD1))
        @18,40 SAY LTRIM(TRIM(KIN_ADD2))
        I = INKEY(0)
        @09,02 clear to 22,78
        *@23,22 CLEAR TO 23,78
        DO screen2
        @09,25 SAY EXSTAFFSTA
        @09,28 SAY IIF(mexstafsta="A","Resigned","Retired")
        @10,25 SAY PAY
        @10,55 SAY RET_AGE
        @11,42 SAY LTRIM(TRIM(DEPTDES2))
        @12,35 SAY RET_DATE PICT ("  /  /  ")
        @12,60 SAY SERV_BREAK
        @13,28 SAY TRIM(LTRIM(LOANDES1))
        @14,28 SAY TRIM(LTRIM(LOANDES2))
        @15,28 SAY TRIM(LTRIM(LOANDES3))
        @16,28 SAY TRIM(LTRIM(LOANDES4))
        @17,30 SAY LOANSUM
        @18,28 SAY LTRIM(TRIM(BANKDES))
        @19,28 SAY ACCNUM
        @24,25 CLEAR TO 24,78
        I = 0
        I = INKEY(0)
        LOOP
ENDIF
************************************************
* if retiree is not on record accept data      *
************************************************

@07,42  GET msex PICT "@m M,F"
@23,22  CLEAR TO 23,78
@23,22  SAY "Enter sex M = male, F= Female  "   COLOR W*/R
READ
@07,44 SAY IIF(msex = "M","Male", "Female")
@07,66  GET mmarital PICT "@m M,S"
@23,22  CLEAR TO 23,78
@23,22  SAY "Enter marital status M = married , S = Single  "   COLOR W*/R
READ
@07,68 SAY IIF(mmarital = "M","Married ", "Single ")
@08,13  GET msurnam  PICT "@!"
@08,48  GET mnames   PICT "@!"
READ
```

```
@23,22  CLEAR TO 23,78
@23,22  SAY "Enter name of ex-service staff "   COLOR W*/R
   IF msurnam = SPACE(25)  .OR. mnames = SPACE(30)
      LOOP
   ENDIF
@09,15  GET mbdate  PICT "(  /  /  )"
@23,22  CLEAR TO 23,78
@23,22  SAY "Enter date  of birth dd/mm/yy "   COLOR W*/R
READ
mstatecod = SPACE(4)
       SELECT 5
       DO WHILE  .T.
       mstatecod = SPACE(4)
       @09,32  GET mstatecod PICT "@!"
       @23,22  CLEAR TO 23,78
       @23,22  SAY "Enter state code  "   COLOR W*/R
       READ
       SEEK mstatecod
          IF FOUND()
            @09,38 SAY LTRIM(TRIM(STATEDES))
            mstatedes = STATEDES
            EXIT
          ENDIF
          LOOP
       ENDDO
@10,20 GET maddres1 PICT "@!"
@11,20 GET maddres2 PICT "@!"
@23,22  CLEAR TO 23,78
@23,22  SAY "Enter address of ex_staff  "   COLOR W*/R
READ
mdeptcod = SPACE(4)
       SELECT 6
       DO WHILE .T.
       mdeptcod = SPACE(4)
       @12,15  GET mdeptcod PICT "@!"
       @23,22  CLEAR TO 23,78
       @23,22  SAY "Enter department code   "   COLOR W*/R
       READ
       SEEK mdeptcod
          IF FOUND()
            @12,20 SAY LTRIM(TRIM(DEPTDES))
            mdeptdes1 = DEPTDES
            EXIT
          ENDIF
          LOOP
       ENDDO
@12,65 GET mempdate PICT "(  /  /  )"
@23,22  CLEAR TO 23,78
@23,22  SAY "Enter date of assumption of office   dd/mm/yy "   COLOR W*/R
READ
mlevel = SPACE(4)
       SELECT 3
       DO WHILE .T.
       mlevel = SPACE(4)
       @13,15  GET mlevel PICT "@!"
```

```
        @23,22  CLEAR TO 23,78
        @23,22  SAY "Enter grade level    "   COLOR W*/R
        READ
        SEEK mlevel
           IF FOUND()
            @13,20 SAY PAY PICT "@j 99999999.99"
            mpay = PAY
            EXIT
           ENDIF
           LOOP
        ENDDO

@15,30 GET mnextkin  PICT "@!"
@16,30 GET mkinrel   PICT "@!"
@17,30 GET mkinadd1  PICT "@!"
@18,30 GET mkinadd2  PICT "@!"
@23,22  CLEAR TO 23,78
@23,22  SAY "Enter particulars of next of kin  "   COLOR W*/R
READ
@09,00 CLEAR
DO screen
DO screen2
        @24,03 SAY "Message   >>>>>>>>"
        @24,22 CLEAR TO 24,78
        @24,22 SAY "Enter Ex-staff Status  A = Resigned, B = Retired " COLOR W*/R
        @09,25 get mexstafsta PICT "@m A,B"
        READ
        @09,28 SAY IIF(mexstafsta="A","Resigned","Retired")
        *
        SELECT 3
        DO WHILE .T.
        mlevel = SPACE(4)
        @24,22 CLEAR TO 24,78
        @24,22 SAY "Enter Ex-staff end-of-service level " COLOR W*/R
        @10,20 GET mlevel PICT "@!"
        READ
        SEEK mlevel
          IF FOUND()
          @10,25 SAY PAY
          mpay = PAY
          EXIT
          ENDIF
          LOOP
        ENDDO
        DO WHILE .T.
           SELECT 6
        mdeptcod = SPACE(4)
        @24,22 CLEAR TO 24,78
        @24,22 SAY "Enter dept code  " COLOR W*/R
        @11,25 GET mdeptcod PICT "@!"
        READ
        SEEK mdeptcod
          IF FOUND()
          @11,32 SAY LTRIM(TRIM(DEPTDES))
          mdeptdes2 = DEPTDES
```

```
          EXIT
          ENDIF
         ENDDO
        *
@24,22 CLEAR TO 24,78
@24,22 SAY "Enter retirement date  " COLO W*/R
@12,25 GET mretdate
READ
        *mactserve = YEAR(mretdate) - YEAR(mempdate) minus service break
        mretage = YEAR(mretdate) - YEAR(mbdate)

        *@24,22 CLEAR TO 24,78
        *@24,22 SAY "Enter Ex-staff retirement age "  COLOR W*/R
        @10,48 SAY mretage PICT "99"
        *READ

@24,22 CLEAR TO 24,78
@24,22 SAY "Enter service break  " COLO W*/R
@12,55 GET mservbre   PICT "99"
READ
*
        SELECT 4
        mloancod = SPACE(4)
        mloansum = 0
        mloanamt = 0
        @13,20  GET mloancod
        @24,22 CLEAR TO 24,78
        @24,22 SAY "Enter loan code or enter key to exit   " COLO W*/R
        READ
          IF mloancod = SPACE(4) .OR. LASTKEY() = 27
         mloanamt = 0
        * EXIT
          ENDIF
          SEEK mloancod
             IF FOUND()
             @13,28 SAY TRIM(LTRIM(LOANDES))
             mloandes1 = LOANDES
             @13,50 SAY "AMOUNT ="
             @13,65  GET mloanamt
             READ
             mloansum = mloansum + mloanamt
               ELSE
             mloansum = mloansum
            * LOOP
             ENDIF
         mloancod = SPACE(4)
         mloanamt = 0

        @14,20  GET mloancod
        READ
          IF mloancod = SPACE(4) .OR. LASTKEY() = 27
          mloanamt = 0
        *  EXIT
          ENDIF
          SEEK mloancod
```

```
            IF FOUND()
            @14,28 SAY TRIM(LTRIM(LOANDES))
            mloandes2 = LOANDES
            @14,50 SAY "AMOUNT="
            @14,65  GET mloanamt
            READ
            mloansum = mloansum + mloanamt
              ELSE
            mloansum = mloansum
          *      LOOP
            ENDIF
          mloancod = SPACE(4)
          mloanamt = 0
         @15,20  GET mloancod
         READ
           IF mloancod = SPACE(4) .OR. LASTKEY() = 27
          mloanamt = 0
         *  EXIT
           ENDIF
           SEEK mloancod
              IF FOUND()
              @15,28 SAY TRIM(LTRIM(LOANDES))
              mloandes3 = LOANDES
              @15,50 SAY "AMOUNT="
              @15,65  GET mloanamt
              READ
              mloansum = mloansum + mloanamt
                ELSE
              mloansum = mloansum
         *        LOOP
              ENDIF
          mloancod = SPACE(4)
          mloanamt = 0

         @16,20  GET mloancod
         READ
           IF mloancod = SPACE(4) .OR. LASTKEY() = 27
           mloanamt = 0
          *EXIT
           ENDIF
           SEEK mloancod
              IF FOUND()
              @16,28 SAY TRIM(LTRIM(LOANDES))
              mloandes4 = LOANDES
              @16,50 SAY "AMOUNT="
              @16,65  GET mloanamt
              READ
              mloansum = mloansum + mloanamt
                ELSE
              mloansum = mloansum
         *        LOOP
              ENDIF
  *       ENDDO
 *
@17,30 SAY mloansum
```

```
*
DO WHILE .T.
        SELECT 7
        mbankcod = SPACE(4)
        @18,25 GET mbankcod
        @24,22 CLEAR TO 24,78
        @24,22 SAY "Enter bank code    " COLO W*/R
        READ
        SEEK mbankcod
                IF FOUND()
                @18,32 SAY LTRIM(TRIM(BANKDES))
                mbankdes = BANKDES
                EXIT
                ENDIF
ENDDO
@19,25 GET maccnum
@24,22 CLEAR TO 24,78
@24,22 SAY "Enter Account number    " COLO W*/R
READ
@24,22 CLEAR TO 24,78
I = 0
@24,25 SAY "[S]ave, [C]ancel ?   " color w*/r
resp = " "
@24,60 GET resp PICT "@m S,C"
READ
I = INKEY(0)
        DO CASE
        CASE  UPPER(resp) = "S"

                SELECT 1
                APPEND BLANK
                REPLACE EXSTAFFNUM WITH mexstafnum
                REPLACE SUR_NAM    WITH msurnam
                REPLACE ADDRES1   WITH maddres1
                REPLACE ADDRES2   WITH maddres2
                REPLACE NAMES      WITH mnames
                REPLACE BDATE      WITH mbdate
                REPLACE STATEDES   WITH mstatedes
                REPLACE DEPTDES1    WITH mdeptdes1
                REPLACE DEPTDES2    WITH mdeptdes2
                REPLACE EMP_DATE   WITH mempdate
                REPLACE PAY        WITH mpay
                REPLACE NEXT_KIN   WITH mnextkin
                REPLACE KIN_REL    WITH mkinrel
                REPLACE KIN_ADD1   WITH mkinadd1
                REPLACE KIN_ADD2   WITH mkinadd2
                REPLACE RET_AGE    WITH mretage
                REPLACE RET_DATE   WITH mretdate
                REPLACE LOANDES1    WITH mloandes1
                REPLACE LOANDES2    WITH mloandes2
                REPLACE LOANDES3    WITH mloandes3
                REPLACE LOANDES4    WITH mloandes4
                REPLACE SERV_BREAK WITH mservbre
                REPLACE EXSTAFFSTA WITH mexstafsta
                REPLACE BANKDES    WITH  mbankdes
```

```
                    REPLACE ACCNUM     WITH  maccnum
                    REPLACE STATECOD   WITH mstatecod
                    REPLACE DEPTCOD    WITH mdeptcod
                    REPLACE LOANSUM    WITH mloansum
                    REPLACE LEVEL      WITH mlevel
                    REPLACE BANKCOD    WITH mbankcod
                    mactserv = YEAR(mretdate) - YEAR(mempdate) - mservbre
                        SELECT 2
                            SEEK mactserv
                              IF FOUND()
                              mgratuity = (mpay * GRAT)/100
                              mpension = (mpay * PENS)/100
                              ENDIF
                    SELECT 1
                        mgratuity  = mgratuity - mloansum
                        mpension   = mpension/12
                     REPLACE GRAT WITH mgratuity,PENS WITH mpension
                     REPLACE ACTSERV WITH mactserv
                     REPLACE SEX with msex ,MARITAL WITH mmarital

                          LOOP
              CASE UPPER(resp) = "C"
                          LOOP
               ENDCASE
       ENDDO
RETURN
*
PROCEDURE SCREEN
  @00,00 TO 23,79  DOUB colo W+/R
  @05,01 TO 05,78  DOUB colo W+/R
  hd1 = "UNIVERSITY  OF  IBADAN  "
  hd2 = "PENSIONEERS' INFORMATION  SYSTEM  "
  hd3 = "EX-STAFF      DETAILS"
  hd4 = "DATA  ENTRY/MODIFICATION   SCREEN"
  @01,(80 - LEN(hd1))/2  SAY hd1    COLOR W+/R
  @02,(80 - LEN(hd2))/2  SAY hd2    COLOR W+/R
  @03,(80 - LEN(hd3))/2  SAY hd3    COLOR W+/R
  @04,(80 - LEN(hd4))/2  SAY hd4    COLOR W+/R
  @07,03 SAY "Ex-service Number:"
  @07,37 SAY "Sex"
  @07,52 SAY "Marital status"
  @08,03 SAY "Surname:"
  @08,38 SAY "Forenames"
RETURN
*
PROCEDURE SCREEN1
  @09,03 SAY "Birth Date:"
  @09,25 SAY "State :"
  @10,03 SAY "Address        "
  @11,03 SAY "               "
  @12,03 SAY "Department "
  @12,45 SAY " Date of Assumption "
  @13,03 SAY "Grade level"
  @14,03 SAY "Next of Kin "
  @15,12 SAY " Name    :  "
```

```
@16,12 SAY " Relationship   "
@17,12 SAY " ADDRESS        "
@18,12 SAY "                "
@23,03 SAY " Message  >>>>>>"  COLO W/R
@21,01 TO 21,79
RETURN
              *
              PROCEDURE SCREEN2
              @09,03 SAY "Type of withdrawal "
              @10,03 SAY "Grade level "
              @10,40 SAY "Age"
              @11,03 SAY "Dept. Last Served "
              @12,03 SAY "Date Of Withdrawal"
              @12,35 SAY "Service  Break  "
              @13,03 SAY "Loans :    (a)"
              @14,14 SAY "(b)"
              @15,14 SAY "(c)"
              @16,14 SAY "(d)"
              @17,14 SAY "Total loan = "
              @18,03 SAY "Bank     : "
              @19,03 SAY "Account Number "
              RETURN
*
PROCEDURE INIT1
Public msex, msurnam, mexstafnum, mbdate, mstatedes, maddres1, maddres2
Public mdeptdes1, mempdate, mpay, mnextkin, mkinrel, mkinadd1, mkinadd2
Public mstatecod,mdeptcod,mlevel,mbankcod, mgratuity,mpension,mp_todate,mexpay
Public mgratuity, mpayments,maccnum, mexstafsta, mbankdes,mactserv,mservbre
Public mdeptdes2, mnames,  mretage, mretdate,mloansum,mmarital
PUBLIC mloandes1, mloandes2,mloandes3, mloandes4 , mp_todate
*
mexstafnum= SPACE(8)
msurnam   = SPACE(25)
mnames    = SPACE(30)
mbdate    = CTOD("  /  /  ")
mstatedes = SPACE(35)
maddres1  = SPACE(25)
maddres2  = SPACE(25)
mdeptdes1  = SPACE(35)
mdeptdes2  = SPACE(35)
mempdate  = CTOD("  /  /  ")
mpay      = 0
mloandes1 = SPACE(35)
mloandes2 = SPACE(35)
mloandes3 = SPACE(35)
mloandes4 = SPACE(35)
mnextkin  = SPACE(25)
mkinrel   = SPACE(10)
mkinadd1  = SPACE(25)
mkinadd2  = SPACE(25)
mretage   = 0
mretdate  = CTOD("  /  /  ")
mloansum  =  0
mservbre   =  0
STORE SPACE(4) TO mstatecod,mdeptcod,mlevel,mbankcod
```

```
  mactserv   = 0
  STORE " " TO msex, mmarital
  maccnum    = SPACE(8)
  mexstafsta = SPACE(2)
  mbankdes   = SPACE(35)
  STORE 0.0  TO  mgrat,mpension,mexpay
  mgratuity = 0
  mpayments =  0
  RETURN
*EOF()
```

```
* PROGRAM NAME     :  EXSTAFDE.PRG
* AUTHOR           :  ABDULAZEEZ,  S. A
* DESCRIPTION      :  This Program deletes  the masterfile. It deletes the pensioneer
*                     Records
* DATE WRITTEN     :  20-07-1997
* DATE MODIFIED    :  02-11-1997
*CLEAR
CLose all
*************************************************************
*    set environment variables                              *
*************************************************************
SET TALK OFF
SET DATE BRITISH
SET STAT OFF
SET SCOREBOARD OFF
SET ESCAPE ON
*************************************************************
  USE EXSTAFF ORDER EXSTAFFNUM
*************************************************************
*   This is the main loop that controls the program         *
*************************************************************
DO WHILE .T.
  CLEAR
  DO screen       && Performs Screen design
  DO screen1      &&
  DO init1        && initialises memory variables
 *
 mexstafnum = SPACE(8)
 @23,22  CLEAR TO 23,78
 @23,22  SAY "Enter ex-service number or Press Enter Key to Exit "   COLO W*/R
 @07,25  GET mexstafnum  PICT "@!"
 READ
       IF mexstafnum = SPACE(8) .OR. LASTKEY() = 27
       CLEAR
       EXIT       && Allows user to exit
       ENDIF
           SEEK  mexstafnum     && Determines if record already exists
         IF .NOT.  FOUND()
            @23,22 CLEAR TO 23,78
            @23,22 SAY " RECORD  NOT ON FILE  >>> "
            WAIT
            LOOP
             ELSE
    msurnam   = SUR_NAM
    mnames    = NAMES
    mbdate    = BDATE
    mstatedes = STATEDES
    maddres1  = ADDRES1
    maddres2  = ADDRES2
    mdeptdes1 = DEPTDES1
    mdeptdes2 = DEPTDES2
    mempdate  = EMP_DATE
    mpay      = PAY
    mloandes1 = LOANDES1
    mloandes2 = LOANDES2
```

```
    mloandes3 = LOANDES3
    mloandes4 = LOANDES4
    mnextkin  = NEXT_KIN
    mkinrel   = KIN_REL
    mkinadd1  = KIN_ADD1
    mkinadd2  = KIN_ADD2
    mretage   = RET_AGE
    mretdate  = RET_DATE
    mloansum  =  LOANSUM
    mservbre   =  SERV_BREAK
*    STORE SPACE(4) TO mstatecod,mdeptcod,mlevel,mbankcod
    mactserv   =  ACTSERV
    msex  = SEX
    mmarital = MARITAL
    maccnum    = ACCNUM
*   mexstafsta = SPACE(2)
    mbankdes   = BANKDES
    mgratuity  = GRAT
    mpension = PENS
    mpayments =  0

          * I=0
            @07,44 SAY IIF(SEX = "M","Male", "Female")
            @07,68 SAY IIF(MARITAL = "M","Married ", "Single ")
            @08,15 SAY LTRIM(TRIM(SUR_NAM))
            @08,50 SAY LTRIM(TRIM(NAMES))
            @09,21 SAY BDATE
            @09,50 SAY LTRIM(TRIM(STATEDES))
            @10,15 SAY LTRIM(TRIM(ADDRES1))
            @11,15 SAY LTRIM(TRIM(ADDRES2))
            @12,25 SAY LTRIM(TRIM(DEPTDES1))
            @12,65 SAY EMP_DATE
            @13,25 SAY PAY
            @15,40 SAY LTRIM(TRIM(NEXT_KIN))
            @16,40 SAY LTRIM(TRIM(KIN_REL))
            @17,40 SAY LTRIM(TRIM(KIN_ADD1))
            @18,40 SAY LTRIM(TRIM(KIN_ADD2))
            @23,22 CLEAR TO 23,78
            I = 0
            I = INKEY(1.5)
            @09,02 clear to 22,78
            DO screen2
            @09,25 SAY EXSTAFFSTA
            @09,28 SAY IIF(mexstafsta="A","Resigned","Retired")
            @10,25 SAY PAY
            @10,55 SAY RET_AGE
            @11,42 SAY LTRIM(TRIM(DEPTDES2))
            @12,35 SAY RET_DATE PICT ("  /  /  ")
            @12,60 SAY SERV_BREAK
            @13,28 SAY TRIM(LTRIM(LOANDES1))
            @14,28 SAY TRIM(LTRIM(LOANDES2))
            @15,28 SAY TRIM(LTRIM(LOANDES3))
            @16,28 SAY TRIM(LTRIM(LOANDES4))
            @17,30 SAY LOANSUM
            @18,28 SAY LTRIM(TRIM(BANKDES))
```

```
            @19,28 SAY ACCNUM
            @24,02 CLEAR TO 24,78
            WAIT
            CLEAR
            DO screen
            DO screen1
            @07,25 SAY mexstafnum
            @07,44 SAY IIF(SEX = "M","Male", "Female")
            @07,68 SAY IIF(MARITAL = "M","Married ", "Single ")
            @08,15 SAY LTRIM(TRIM(SUR_NAM))
            @08,50 SAY LTRIM(TRIM(NAMES))
            @09,21 SAY BDATE
            @09,50 SAY LTRIM(TRIM(STATEDES))
            @10,15 SAY LTRIM(TRIM(ADDRES1))
            @11,15 SAY LTRIM(TRIM(ADDRES2))
            @12,25 SAY LTRIM(TRIM(DEPTDES1))
            @12,65 SAY EMP_DATE
            @13,25 SAY PAY
            @15,40 SAY LTRIM(TRIM(NEXT_KIN))
            @16,40 SAY LTRIM(TRIM(KIN_REL))
            @17,40 SAY LTRIM(TRIM(KIN_ADD1))
            @18,40 SAY LTRIM(TRIM(KIN_ADD2))

      ENDIF
      @23,22  CLEAR TO 23,78
      conf = " "
      @23,22  SAY "Delete  this record ? Y = Yes , N = No "  COLOR W*/R
      @23,65 GET conf PICT "@m N,Y"
      READ
      IF UPPER(conf) = "Y"
           @23,22  CLEAR TO 23,78
           conf1 = " "
           @23,22  SAY "Pensioneer record will be lost ! Delete anyway ? Y/N "  COLOR W*/R
           @23,75 GET conf1 PICT "@m N,Y"
             READ
            IF UPPER(conf1) = "Y"
               DELETE
               PACK
               ELSE
                LOOP
             ENDIF
        ELSE
          LOOP
      ENDIF
      ENDDO
*  SET SCORE ON
 * SET STAT ON
 * SET TALK ON
RETURN

PROCEDURE SCREEN
  @00,00 TO 23,79  DOUB colo W+/R
  @05,01 TO 05,78  DOUB colo W+/R
  hd1 = "UNIVERSITY  OF  IBADAN  "
  hd2 = "PENSIONEERS' INFORMATION  SYSTEM  "
```

```
  hd3 = "EX-STAFF      DETAILS"
  hd4 = "DATA  DELETION  SCREEN"
  @01,(80 - LEN(hd1))/2  SAY hd1    COLOR W+/R
  @02,(80 - LEN(hd2))/2  SAY hd2    COLOR W+/R
  @03,(80 - LEN(hd3))/2  SAY hd3    COLOR W+/R
  @04,(80 - LEN(hd4))/2  SAY hd4    COLOR W+/R
  @07,03 SAY "Ex-service Number:"
  @07,37 SAY "Sex"
  @07,52 SAY "Marital status"
  @08,03 SAY "Surname:"
  @08,38 SAY "Forenames"
RETURN
*
PROCEDURE SCREEN1
  @09,03 SAY "Birth Date:"
  @09,25 SAY "State :"
  @10,03 SAY "Address        "
  @11,03 SAY "               "
  @12,03 SAY "Department "
  @12,45 SAY " Date of Assumption "
  @13,03 SAY "Grade level"
  @14,03 SAY "Next of Kin "
  @15,12 SAY " Name    :  "
  @16,12 SAY " Relationship   "
  @17,12 SAY " ADDRESS        "
  @18,12 SAY "                "
  @23,03 SAY " Message  >>>>>>"  COLO W/R
  @21,01 TO 21,79
  RETURN

              PROCEDURE SCREEN2
              @09,03 SAY "Type of withdrawal "
              @10,03 SAY "Grade level "
              @10,40 SAY "Age"
              @11,03 SAY "Dept. Last Served "
              @12,03 SAY "Date Of Withdrawal"
              @12,35 SAY "Service  Break  "
              @13,03 SAY "Loans :    (a)"
              @14,14 SAY "(b)"
              @15,14 SAY "(c)"
              @16,14 SAY "(d)"
              @17,14 SAY "Total loan = "
              @18,03 SAY "Bank     : "
              @19,03 SAY "Account Number "
              RETURN

  PROCEDURE INIT1
  Public msex, msurnam, mexstafnum, mbdate, mstatedes, maddres1, maddres2
  Public mdeptdes1, mempdate, mpay, mnextkin, mkinrel, mkinadd1, mkinadd2
  Public mstatecod,mdeptcod,mlevel,mbankcod, mgratuity,mpension,mp_todate,mexpay
  Public mgratuity, mpayments,maccnum, mexstafsta, mbankdes,mactserv,mservbre
  Public mdeptdes2, mnames,  mretage, mretdate,mloansum,mmarital
  PUBLIC mloandes1, mloandes2,mloandes3, mloandes4 , mp_todate

  mexstafnum= SPACE(8)
```

```
msurnam   = SPACE(25)
mnames    = SPACE(30)
mbdate    = CTOD("  /  /  ")
mstatedes = SPACE(35)
maddres1  = SPACE(25)
maddres2  = SPACE(25)
mdeptdes1  = SPACE(35)
mdeptdes2  = SPACE(35)
mempdate  = CTOD("  /  /  ")
mpay      = 0
mloandes1 = SPACE(35)
mloandes2 = SPACE(35)
mloandes3 = SPACE(35)
mloandes4 = SPACE(35)
mnextkin  = SPACE(25)
mkinrel   = SPACE(10)
mkinadd1  = SPACE(25)
mkinadd2  = SPACE(25)
mretage   = 0
mretdate  = CTOD("  /  /  ")
mloansum  =  0
mservbre   =  0
STORE SPACE(4) TO mstatecod,mdeptcod,mlevel,mbankcod
mactserv   =  0
STORE " " TO msex, mmarital
maccnum    = SPACE(8)
mexstafsta = SPACE(2)
mbankdes   = SPACE(35)
STORE 0.0  TO  mgrat,mpension,mexpay
mgratuity = 0
mpayments =  0
RETURN
```

```
*
* PROGRAM NAME : BANK.prg
* DESCRIPTION  : ACCEPT, EDIT OR DELETE  BANK CODES "
*
SET TALK OFF
CLEAR
close all
USE BANK  ORDER BANKCOD
DO WHILE .T.
       CLEAR
       @04,00 TO 20,79  color gr+/b
       @10,01 TO 10,78  color gr+/b
       head1 = " UNIVERSITY OF IBADAN "
       head2 = " PENSIONEERS' INFORMATION SYSTEM "
       head3 = " BANK CODES ENTRY/MODIFICATION"
       *
       @5,(80 - LEN(head1))/2 SAY head1  color w+/gr
       @7,(80 - LEN(head2))/2 SAY head2  color w+/gr
       @9,(80 - LEN(head3))/2 SAY head3  color w+/gr
       @12,10 SAY "(A) BANK CODE        :"
       @14,10 SAY "(B) BANK DESCRIPTION :"
       @18,10 SAY "MESSAGE   >>>>>: "
       @17,01 TO 17,78 DOUB
       *
       *
       mbankcod = SPACE(4)
       mbankdes = SPACE(35)
       @18,30 CLEAR TO 18,78
       @18,30 SAY "Enter bank code or press enter key to exit " COLOR N/W+
       @12,30 GET mbankcod PICT "@!"
       READ
       IF mbankcod = SPACE(4) .OR. LASTKEY() = 27
         CLEAR
         EXIT
       ENDIF
         SEEK mbankcod
           IF FOUND()
           @18,30 CLEAR TO 18,78
           @18,30 SAY "Code already exists >>> Press any key to continue" COLO R+/B
           @14,35 SAY LTRIM(TRIM(BANKDES))
             I = 0
             I = INKEY(0)
             ch = " "
               DO WHILE .NOT. ch $ "QqEeDd"
                 ch = " "
                 @18,30 CLEAR TO 18,78
                 @18,30 SAY "E = Edit , D = Delete , Q = Quit"
                 @18,69 GET ch  PICT "@!"
                 READ
               ENDDO
                     DO CASE
                       CASE UPPER(ch) = "E"
                            DO WHILE .T.
                            @18,30 CLEAR TO 18,78
                            @18,30 SAY "Enter bank code & bank description"
```

```
                    @12,30 GET mbankcod PICT "@!"
                    READ
                    IF mbankcod = SPACE(4)
                    LOOP
                    ENDIF
                @14,35 GET mbankdes PICT "@!"
                READ
                IF mbankdes = SPACE(35)
                LOOP
                ENDIF
                @18,30 CLEAR TO 18,78
                @18,30 SAY "E = Edit , S = Save .. Select choice "
                ch1 = " "
                @18,68 GET ch1  PICT "@m S,E "
                READ
                          IF UPPER(ch1) = "S"
                          REPLACE BANKCOD WITH mbankcod
                          REPLACE BANKDES WITH mbankdes
                          EXIT
                          ELSE
                          LOOP
                          ENDIF
                        ENDDO
                  CASE UPPER(ch) = "D"
                  @18,30 CLEAR TO 18,78
                  @18,30 SAY "Delete this code ?   Y/N"
                  ch2 = " "
                  @18,68 GET ch2 PICT "@m Y,N"
                  READ
                  IF UPPER(ch2) = "Y"
                  @18,30 CLEAR TO 18,78
                  @18,30 SAY "Are you sure you want this code deleted ? Y/N"
                  ch3 = " "
                  @18,78 GET ch3 PICT "@m Y,N"
                  READ
                          IF UPPER(ch3) = "Y"
                             DELETE
                             PACK
                          ELSE
                              LOOP
                          ENDIF
                  ENDIF
                ENDCASE
*    ENDIF
*
*

*If record is not found perform the following operations "
ELSE
@18,30 CLEAR TO 18,78
@18,30 SAY "Enter code description  "
@14,35 GET mbankdes PICT "@!"
READ
         ch4 =" "
         DO WHILE .NOT. ch4 $ "QqEeSs"
```

```
                ch4 = " "
                @18,30 CLEAR TO 18,78
                @18,30 SAY "E = Edit , S = save , Q = Quit .. Enter Choice"
                @18,77 GET ch4  PICT "@!"
                READ
                ENDDO

        DO CASE
           CASE UPPER(ch4) = "S"
           APPEND BLANK
           REPLACE BANKCOD WITH mbankcod
           REPLACE BANKDES WITH mbankdes
           LOOP
           *
           CASE UPPER(ch4) = "E"
                       DO WHILE .T.
                       @18,30 CLEAR TO 18,78
                       @18,30 SAY "Edit code & bank description"
                       @12,30 GET mbankcod PICT "@!"
                       READ
                         IF mbankcod = SPACE(4)
                         LOOP
                         ENDIF
                       @14,35 GET mbankdes PICT "@!"
                       READ
                          IF mbankdes = SPACE(35)
                          LOOP
                          ENDIF
                       @18,30 CLEAR TO 18,78
                       @18,30 SAY "E = Edit , S = Save .. Select choice "
                       ch5 = " "
                       @18,69 GET ch5  PICT "@m  S,E "
                       READ
                         IF UPPER(ch5) = "S"
                               REPLACE BANKCOD WITH mbankcod
                               REPLACE BANKDES WITH mbankdes
                               EXIT
                               ELSE
                               LOOP
                         ENDIF
                       ENDDO
        CASE UPPER(ch4) = "Q"
            LOOP
        ENDCASE
        ENDIF
ENDDO
CLEAR
RETURN
```

```
*
* PROGRAM NAME : loan.prg
* DESCRIPTION  : ACCEPT, EDIT OR DELETE  loan  CODES "
*
*SET SCOREBOARD OFF
*SET STATUS OFF
*SET TALK OFF
*CLEAR
USE LOAN ORDER LOANCOD
DO WHILE .T.
       CLEAR
       @04,00 TO 20,79  color gr+/b
       @10,01 TO 10,78  color gr+/b
       head1 = " UNIVERSITY OF IBADAN "
       head2 = " PENSIONEERS' INFORMATION SYSTEM "
       head3 = " LOAN  CODES ENTRY/MODIFICATION"
       *
       @5,(80 - LEN(head1))/2 SAY head1  color w+/gr
       @7,(80 - LEN(head2))/2 SAY head2  color w+/gr
       @9,(80 - LEN(head3))/2 SAY head3  color w+/gr
       @12,10 SAY "(A) LOAN CODE        :"
       @14,10 SAY "(B) LOAN DESCRIPTION :"
       @18,10 SAY "MESSAGE   >>>>>: "
       @17,01 TO 17,78 DOUB
       *
       *
       mloancod = SPACE(4)
       mloandes = SPACE(35)
       @18,30 CLEAR TO 18,78
       @18,30 SAY "Enter loan code or press enter key to exit " COLOR N/W+
       @12,30 GET mloancod PICT "@!"
       READ
       IF mloancod = SPACE(4) .OR. LASTKEY() = 27
         CLEAR
         EXIT
       ENDIF
         SEEK mloancod
           IF FOUND()
             @18,30 CLEAR TO 18,78
             @18,30 SAY "Code already exists >>> Press any key to continue" COLO R+/B
             @14,35 SAY LTRIM(TRIM(LOANDES))
             I = 0
             I = INKEY(0)
             ch = " "
               DO WHILE .NOT. ch $ "QqEeDd"
                 ch = " "
                 @18,30 CLEAR TO 18,78
                 @18,30 SAY "E = Edit , D = Delete , Q = Quit"
                 @18,69 GET ch  PICT "@!"
                 READ
               ENDDO
                     DO CASE
                       CASE UPPER(ch) = "E"
                            DO WHILE .T.
                            @18,30 CLEAR TO 18,78
```

```
                    @18,30 SAY "Enter loan code &  description"
                    @12,30 GET mloancod PICT "@!"
                    READ
                    IF mloancod = SPACE(4)
                    LOOP
                    ENDIF
                    @14,35 GET mloandes PICT "@!"
                    READ
                    IF mloandes = SPACE(35)
                    LOOP
                    ENDIF
                    @18,30 CLEAR TO 18,78
                    @18,30 SAY "E = Edit , S = Save .. Select choice "
                    ch1 = " "
                    @18,68 GET ch1  PICT "@m S,E "
                    READ
                       IF UPPER(ch1) = "S"
                       REPLACE LOANCOD WITH mloancod
                       REPLACE LOANDES WITH mloandes
                       EXIT
                       ELSE
                       LOOP
                       ENDIF
                    ENDDO
                CASE UPPER(ch) = "D"
                    @18,30 CLEAR TO 18,78
                    @18,30 SAY "Delete this code ?   Y/N"
                    ch2 = " "
                    @18,68 GET ch2 PICT "@m Y,N"
                    READ
                    IF UPPER(ch2) = "Y"
                    @18,30 CLEAR TO 18,78
                    @18,30 SAY "Are you sure you want this code deleted ? Y/N"
                    ch3 = " "
                    @18,78 GET ch3 PICT "@m Y,N"
                    READ
                       IF UPPER(ch3) = "Y"
                          DELETE
                          PACK
                       ELSE
                           LOOP
                       ENDIF
                    ENDIF
            ENDCASE
*   ENDIF
*
*

*If record is not found perform the following operations "
ELSE
@18,30 CLEAR TO 18,78
@18,30 SAY "Enter code description  "
@14,35 GET mloandes PICT "@!"
READ
        ch4 =" "
```

```
                DO WHILE .NOT. ch4 $ "QqEeSs"
                ch4 = " "
                @18,30 CLEAR TO 18,78
                @18,30 SAY "E = Edit , S = save , Q = Quit .. Enter Choice"
                @18,77 GET ch4  PICT "@!"
                READ
                ENDDO

        DO CASE
           CASE UPPER(ch4) = "S"
           APPEND BLANK
           REPLACE LOANCOD WITH mloancod
           REPLACE LOANDES WITH mloandes
           LOOP
           *
           CASE UPPER(ch4) = "E"
                       DO WHILE .T.
                       @18,30 CLEAR TO 18,78
                       @18,30 SAY "Edit loan code &  description"
                       @12,30 GET mloancod PICT "@!"
                       READ
                         IF mloancod = SPACE(4)
                         LOOP
                         ENDIF
                       @14,35 GET mloandes PICT "@!"
                       READ
                          IF mloandes = SPACE(35)
                          LOOP
                          ENDIF
                       @18,30 CLEAR TO 18,78
                       @18,30 SAY "E = Edit , S = Save .. Select choice "
                       ch5 = " "
                       @18,69 GET ch5  PICT "@m  S,E "
                       READ
                         IF UPPER(ch5) = "S"
                              REPLACE LOANCOD WITH mloancod
                              REPLACE LOANDES WITH mloandes
                              EXIT
                              ELSE
                              LOOP
                         ENDIF
                       ENDDO
        CASE UPPER(ch4) = "Q"
            LOOP
        ENDCASE
        ENDIF
ENDDO
*CLEAR
CLOSE DATABASES
*SET STAT ON
*SET SCOR ON
*SET TALK ON
RETURN
```

```
* PROGRAM NAME : PERCENT.PRG
* DESCRIPTION  : ACCEPT, EDIT OR DELETE  PENSION AND GRATUITY CODES "
*
CLOSE ALL
CLEAR
USE Percent  ORDER yrexp
DO WHILE .T.
       CLEAR
       @04,00 TO 22,79  color gr+/b
       @10,01 TO 10,78  color gr+/b
       head1 = " UNIVERSITY OF IBADAN "
       head2 = " PENSIONEERS' INFORMATION SYSTEM "
       head3 = " GRATUITY AND PENSION PERCENTAGES"
       *
       @5,(80 - LEN(head1))/2 SAY head1  color w+/gr
       @7,(80 - LEN(head2))/2 SAY head2  color w+/gr
       @9,(80 - LEN(head3))/2 SAY head3  color w+/gr
       @12,10 SAY "(A) EXPERIENCE :"
       @14,10 SAY "(B) GRATUITY   :"
       @16,10 SAY "(C) PENSION    :"
       @20,10 SAY "MESSAGE   >>>>>:"
       @18,01 TO 18,78 DOUB
       *
       *
       myrexp = 0.0
       mgrat = 0.0
       mpens = 0.0
     @20,28 CLEAR TO 20,78
     @20,28 SAY "Enter experience yrs or press escape key to exit " COLOR N/W+
       @12,30 GET myrexp     && PICT "@j99"
       READ
       IF myrexp < 0  .OR. LASTKEY() = 27
         CLEAR
         EXIT
       ENDIF
          IF myrexp < 5
          LOOP
          ENDIF
        *
        SEEK myrexp
           IF FOUND()
       @20,28 CLEAR TO 20,78
       @20,28 SAY "Code already exists >>> Press any key to continue" COLO R+/B
             @14,30 SAY GRAT  PICT "@j 99999999.99"
             @16,30 SAY PENS  PICT "@j 99999999.99"
             I = 0
             I = INKEY(0)
             ch = " "
               DO WHILE .NOT. ch $ "QqEeDd"
                 ch = " "
                 @20,28 CLEAR TO 20,78
                 @20,28 SAY "E = Edit , D = Delete , Q = Quit"
                 @20,69 GET ch  PICT "@!"
                 READ
               ENDDO
```

```
        DO CASE
          CASE UPPER(ch) = "E"
               DO WHILE .T.
@20,28 CLEAR TO 20,78
@20,28 SAY "Enter experience,gratuity and pension percentage"
               @12,30 GET myrexp   &&PICT "@j 99"
               READ
               IF myrexp = 0    &&SPACE(2)
               LOOP
               ENDIF
               @14,30 GET mgrat   && PICT "@j 99999999.99"
               READ
               IF mgrat = 0     &&SPACE(11)
               LOOP
               ENDIF
               @16,30 GET mpens
               READ
               *IF myrexp > 4 .AND. mpens = 0   &&  SPACE(11)
               *LOOP
               *ENDIF
                *
         @20,28 CLEAR TO 20,78
         @20,28 SAY "E = Edit , S = Save .. Select choice "
                ch1 = " "
                @20,68 GET ch1  PICT "@m S,E "
                READ
                   IF UPPER(ch1) = "S"
                   REPLACE YREXP  WITH myrexp
                   REPLACE GRAT   WITH mgrat
                   REPLACE PENS   WITH mpens
                   EXIT
                   ELSE
                   LOOP
                   ENDIF
                ENDDO
           CASE UPPER(ch) = "D"
                @20,28 CLEAR TO 20,78
                @20,28 SAY "Delete this code ?   Y/N"
                ch2 = " "
                @20,68 GET ch2 PICT "@m Y,N"
                READ
                IF UPPER(ch2) = "Y"
  @20,28 CLEAR TO 20,78
  @20,28 SAY "Are you sure you want this code deleted ? Y/N"
                ch3 = " "
                @20,78 GET ch3 PICT "@m Y,N"
                READ
                    IF UPPER(ch3) = "Y"
                       DELETE
                       PACK
                    ELSE
                        LOOP
                    ENDIF
                ENDIF
          ENDCASE
```

```
*    ENDIF
*
*

*If record is not found perform the following operations "
ELSE
@20,28 CLEAR TO 20,78
@20,28 SAY "Enter gratuity and pension percentage  "
@14,30 GET mgrat       &&PICT "@j 99999999.99"
@16,30 GET mpens       &&PICT "@j 99999999.99"
READ
         ch4 =" "
         DO WHILE .NOT. ch4 $ "QqEeSs"
         ch4 = " "
         @20,28 CLEAR TO 20,78
         @20,28 SAY "E = Edit , S = save , Q = Quit .. Enter Choice"
         @20,77 GET ch4  PICT "@m S,Q,E"
         READ
         ENDDO

DO CASE
   CASE UPPER(ch4) = "S"
   APPEND BLANK
   REPLACE YREXP  WITH myrexp
   REPLACE GRAT   WITH mgrat
   REPLACE PENS   WITH mpens
   LOOP
   *
   CASE UPPER(ch4) = "E"
               DO WHILE .T.
               @20,28 CLEAR TO 20,78
               @20,28 SAY "Edit Code description"
               @14,30 GET mgrat     &&PICT "@j 99999999.99"
               READ
               IF mgrat =  0     &&SPACE(11)
               LOOP
               ENDIF
               @16,30 GET mpens     &&PICT "j 99999999.99"
               READ
               IF  myrexp > 4 .AND. mpens =  0        && SPACE(11)
               LOOP
               ENDIF
               @20,28 CLEAR TO 20,78
               @20,28 SAY "E = Edit , S = Save .. Select choice "
               ch5 = " "
               @20,69 GET ch5  PICT "@m S,E "
               READ
                 IF UPPER(ch5) = "S"
                       REPLACE YREXP  WITH myrexp
                       REPLACE GRAT   WITH mgrat
                       REPLACE PENS   WITH mpens
                       EXIT
                       ELSE
                       LOOP
                 ENDIF
```

```
                    ENDDO
        CASE UPPER(ch4) = "Q"
            LOOP
        ENDCASE
        ENDIF
ENDDO
CLEAR
RETURN
```

```
*Program Name :Payinit.prg
*Description  :Reinitialise Payroll File for Next Pay Run.
*Author       :
*Notes        :Before Executing this program,
*              BACK-UP the Current Pay File.
*
CLEAR
RESTORE FROM PAY_MEM ADDITIVE
USE PAYROLL     && OPEN THE PAYROLL FILE
pay_old = CTOD("  /  /  ")
pay_old = pay_date
*
*PROCEED WITH THE RESETTING PROCEDURE
*
*DELETE PREVIOUS PAY DATA AND RE-CREATE THE INDEX FILES
*
*SET COLOR TO W+/RB*+
@05,05 SAY "WAIT - REINITIALISING DATABASE FILES" COLO  W+/R
I = 0
I = INKEY(1.5)
SET SAFETY OFF
ZAP
INDEX ON EXSTAFFNUM TO PAY1
SET SAFETY ON
CLOSE DATABASES
@ 06,05 SAY "RE-INITIALISING COMPLETE, PRESS ANY KEY TO CONTINUE..." COLO W+/R
WAIT SPACE(19)
CLEAR
b = .T.
DO WHILE b
   @ 05,05 SAY "Enter Date of NEW PAY PERIOD :" COLO W+/R
   @05,40 GET pay_date
   READ
   ans = " "
   @ 06,05 SAY "Date O.K. ? Y/N : "  COLO W+/R
   DO WHILE .NOT. ans $ "Y,N"
      ans = " "
      @ 06,25 GET ans PICTURE "@m N,Y"
      READ

   ENDDO
   IF ans = "Y"
      b = .F.
      SET SAFETY OFF
      RELEASE ans
      IF pay_date = CTOD("  /  /  ")
         pay_date = pay_old

      ENDIF
      SAVE TO PAY_MEM
      SET SAFETY ON

   ENDIF

ENDDO
```

```
*
RETURN
*EOF
```

```
* PROGRAM NAME : PENPRT.PRG
* PENSIONERS GENERAL LIST
SET TALK OFF
*
row = 9
pg = 1
sn = 1
USE EXSTAFF ORDER EXSTAFFNUM
GO TOP
CLEAR
@12,15  SAY "Make sure Printer is ready  "
@13,15  SAY "Begin Printing  ? Y = Yes , N = No "
resp = " "
@12,65 GET  resp PICT "@m n,y"
READ
*
*
        IF UPPER(resp) = "Y"

                SET DEVICE TO PRINTER
                SET PRINT ON
                DO header
                *
                DO WHILE .NOT. EOF()
                @row,00 SAY STR(sn,3,0)
                @row,12 SAY EXSTAFFNUM
                @row,47 SAY LTRIM(TRIM(SUR_NAM)) + "  " + LTRIM(TRIM(NAMES))
                @row,80 SAY EMP_DATE
                @row,92 SAY LOANSUM
                @row,137 SAY LTRIM(TRIM(BANKDES))
                *@row,165 SAY LTRIM(TRIM(NEXT_KIN))
                @row+1,32 SAY BDATE
                @row+1,47 SAY SEX
                @row+1,55 SAY MARITAL
                @row+1,80 SAY RET_DATE
                @row+1,92 SAY LEVEL
                @row+1,107 SAY GRAT
                @row+1,122 SAY PENS
                *@row+1,137 SAY GRATSTAT
                *@row+1,144 SAY PAYMENTS
                @row+1,137 SAY ACCNUM
        *@row+1,165 SAY LTRIM(TRIM(KIN_ADD1)) + "  " + LTRIM(TRIM(KIN_ADD2))
                @row+2,24 SAY LTRIM(TRIM(STATEDES))
                @row+2,45 SAY LTRIM(TRIM(DEPTDES2))
                @row+2,80 SAY RET_AGE
                *@row+2,165 SAY LTRIM(TRIM(KIN_REL))
                @row+3,00 SAY REPLICATE("-",165)
                sn = sn + 1
                row = row + 4
                 IF row > 70
                   pg  = pg + 1
                   row = 9
                        EJECT
                        DO header
                 ENDIF
```

```
            SKIP
      ENDDO
            @24,00  SAY CHR(27) + "M" + CHR(15)
            EJECT
            SET DEVICE TO SCREEN
            SET PRINT OFF
      ENDIF
            RETURN

CEDURE header
1 = "University of Ibadan "
p2 = " Pensioneers List  as at    "
p3 = "Page  "
p4 = DTOC(DATE())
1,(165 - LEN(top1))/2 SAY top1
2,(165 - LEN(top2))/2 SAY top2 + "  "  + top4
2,160  SAY top3 + STR(pg,2,0)
3,00  SAY CHR(27) + "M" + CHR(15)
4,00 SAY REPLICATE("-",165)
5,00 SAY "Ser"
5,12 SAY "Pension"
5,47 SAY "Name"
5,80 SAY "Emp-date"
5,92 SAY "Total loan "
5,107 SAY "Gratuity "
5,122 SAY "Pension "
@05,137 SAY "Grat "
@05,144 SAY "Num "
5,137 SAY "Bank"
@05,165 SAY "Next of kin "
6,00 SAY "No"
6,12 SAY "Number"
6,32 SAY "Birthdate"
6,47 SAY "Sex"
6,55 SAY "Marital Status"
6,80 SAY "Ret-date"
6,92 SAY "Grade "
*@06,137 SAY "stat "
*@06,144 SAY "of "
@06,137 SAY "A/C Number "
*@06,165 SAY "Address "
@07,24 SAY "State"
@07,45 SAY "Department"
@07,80 SAY "Ret Age"
@07,92 SAY "On Ret"
*@07,144 SAY "Pays "
*@07,165 SAY "Relationship "
@08,00 SAY REPLICATE("-",165)
RETURN
```

```
* PROGRAM NAME : DEPTPRT.PRG
* PENSIONERS GENERAL LIST
SET TALK OFF
CLOSE ALL
*
row = 9
pg = 1
sn = 1
USE EXSTAFF ORDER DEPTCOD
GO TOP
CLEAR
@12,15  SAY "Make sure Printer is ready  " COLOR W+/R
@13,15  SAY "Begin Printing  ? Y = Yes , N = No " COLOR W+/R
resp = " "
@12,65 GET  resp PICT "@m N,Y"
READ
*
*
       IF UPPER(resp) = "Y"

              SET DEVICE TO PRINTER
              SET PRINT ON
              @24,00  SAY CHR(27) + "M" + CHR(15)
              mdeptcod = DEPTCOD
              DO header
              *
              DO WHILE .NOT. EOF()
              IF mdeptcod # DEPTCOD
                mdeptcod = DEPTCOD
                sn = 1
                row = 9
                pg = pg + 1
              *  @24,00  SAY CHR(27) + "M" + CHR(15)
                EJECT
                DO header
              ENDIF
              @row,00 SAY STR(sn,3,0)
              @row,12 SAY EXSTAFFNUM
              @row,47 SAY LTRIM(TRIM(SUR_NAM)) + "  " + LTRIM(TRIM(NAMES))
              @row,80 SAY EMP_DATE
              @row,92 SAY LOANSUM
              @row,137 SAY LTRIM(TRIM(BANKDES))
              *@row,165 SAY LTRIM(TRIM(NEXT_KIN))
              @row+1,32 SAY BDATE
              @row+1,47 SAY SEX
              @row+1,55 SAY MARITAL
              @row+1,80 SAY RET_DATE
              @row+1,92 SAY LEVEL
              @row+1,107 SAY GRAT
              @row+1,122 SAY PENS
              *@row+1,137 SAY GRATSTAT
              *@row+1,144 SAY PAYMENTS
              @row+1,137 SAY ACCNUM
      *@row+1,165 SAY LTRIM(TRIM(KIN_ADD1)) + "  " + LTRIM(TRIM(KIN_ADD2))
              @row+2,24 SAY LTRIM(TRIM(STATEDES))
```

```
            *@row+2,45 SAY LTRIM(TRIM(DEPTDES2))
            @row+2,80 SAY RET_AGE
            *@row+2,165 SAY LTRIM(TRIM(KIN_REL))
            @row+3,00 SAY REPLICATE("-",165)
            sn = sn + 1
            row = row + 4
             IF row > 70
               pg  = pg + 1
               row = 9
                    EJECT
                    DO header
             ENDIF
            SKIP
      ENDDO
            @24,00  SAY CHR(27) + "M" + CHR(15)
            EJECT
            SET DEVICE TO SCREEN
            SET PRINT OFF
      ENDIF
            RETURN
PROCEDURE header
top1 = "University of Ibadan "
top2 = " Pensioneers List  as at    "
top3 = "Page "
top4 = DTOC(DATE())
@01,(166 - LEN(top1))/2 SAY top1
@02,(166 - LEN(top2))/2 SAY top2 + "  "  + top4
@02,160  SAY top3 + STR(pg,2,0)
@03,00 SAY "DEPARTMENT  :"
@03,15  SAY DEPTDES2
@04,00  SAY CHR(27) + "M" + CHR(15)
@04,00 SAY REPLICATE("-",165)
@05,00 SAY "Ser"
@05,12 SAY "Pension"
@05,47 SAY "Name"
@05,80 SAY "Emp-date"
@05,92 SAY "Total loan "
@05,107 SAY "Gratuity "
@05,122 SAY "Pension "
*@05,137 SAY "Grat "
*@05,144 SAY "Num "
@05,137 SAY "Bank"
*@05,165 SAY "Next of kin "
@06,00 SAY "No"
@06,12 SAY "Number"
@06,32 SAY "Birthdate"
@06,47 SAY "Sex"
@06,55 SAY "Marital Status"
@06,80 SAY "Ret-date"
@06,92 SAY "Grade "
*@06,137 SAY "stat "
*@06,144 SAY "of "
@06,137 SAY "A/C Number "
*@06,165 SAY "Address "
@07,24 SAY "State"
```

```
*@07,45 SAY "Department"
@07,80 SAY "Ret Age"
@07,92 SAY "On Ret"
*@07,144 SAY "Pays "
*@07,165 SAY "Relationship "
@08,00 SAY REPLICATE("-",165)
RETURN
```

```
*Program Name:Pay_Bkup.prg
*Description :Backup of Pay Data
*Author      :
*Notes       :This program should be run before every pay run. A blank
*             diskette should be used and labelled accordingly - showing the
*             Month of the pay period that was back-uped. Run the RESET
*             program next.
*
CLEAR
          = 0
rive      = " "
estnation = SPACE(14)
*
*DISPLAY SCREEN
*
HEADER = " UNIVERSITY OF  IBADAN "
@ 01,(80 - LEN(header))/2 SAY header
@ 02,20 SAY "Backup Of Payroll Data File"
@ 03,01 TO 03,79
*
*ACCEPT THE DRIVE TO BACKUP TO FROM THE USER
*
@ 05,05 SAY "Enter the Drive Letter For The Back - Up Please [A or B]: "
DO WHILE .NOT. drive $ "A,B"
   @ 05,65 GET drive PICTURE "@!"
   READ

ENDDO
*
SET COLOR TO W+/RB+
@ 06,05 SAY "Insert BACK-UP DISKETTE and Press any Key to continue..."
SET COLOR TO W+/B+,N/GB+
*
*PERFORM BACKUP PROCEDURE
*
destnation = drive+":\PAYROLL.DBF"
COPY FILE PAYROLL.DBF TO &destnation
*
@ 08,05 SAY "BACK-UP PROCEDURE COMPLETE, Press any key to continue..."
@ 09,00 SAY ""
WAIT SPACE(19)
CLEAR
CLOSE DATABASES
RETURN
*EOF
```

```
*Program Name: Payslip.prg
*Description : Prints  Payslip for the Current Month
*Author      :  Abdulazeez  S. A
*
USE PAYROLL  ORDER  EXSTAFFNUM
GO TOP
CLEAR
@12,15 SAY "Make Sure Printer is Ready ... " COLOR B/RB+
@13,15 SAY "Begin Printing ?      ...."
resp  = " "
@12,65 get resp PICT "@m N,Y"
READ
IF resp = "Y"
   CLEAR
   @12,15  SAY " Printing   in   progress ......"   colo w+/r
  SET DEVICE TO PRINT
  SET PRINT ON
DO WHILE .NOT. EOF()
   DO scr
   @ 06,02 SAY "Pensioneer No....:"
   @ 06,20 SAY EXSTAFFNUM
   @ 07,02 SAY "Department Code..:"
   @ 07,20 SAY LTRIM(TRIM(mdeptcod))  +"  "+LTRIM(TRIM(DEPTDES2))
   @ 08,02 SAY "State of Origin..:"
   @ 08,20 SAY STATECOD  + "  " +LTRIM(TRIM(STATEDES))
   @ 09,02 SAY "Bank Code........:"
   @ 09,20 SAY BANKCOD  + "  " +LTRIM(TRIM(BANKDES))
   @ 10,02 SAY "Account #........:"
   @ 10,20 SAY LTRIM(TRIM(ACCNUM))
   @ 11,02 SAY "Name.............:"
   @ 11,20  SAY  LTRIM(TRIM(SUR_NAM))+"  "+LTRIM(TRIM(NAMES))
   @ 12,02 SAY "Address.....  ...:"
   @ 12,20  SAY  LTRIM(TRIM(ADDRES1))+"  "+LTRIM(TRIM(ADDRES2))
   @ 13,02 SAY "Grade level......:"
   @ 13,20 SAY LEVEL +"  "+ STR(PAY,11,2)
   @ 14,02 SAY "Gratuity.........:"
   @ 14,20 SAY  GRAT
   @ 15,02 SAY "Pension.........:"
   @ 15,20 SAY  PENS
     SKIP
      EJECT
   ENDDO                && END OF EDITING LOOP

ENDIF
SET DEVICE TO SCREEN
SET PRINT OFF
CLEAR
RETURN
*EOF
   PROCEDURE SCR
   mpayhdr2   = "PAYROLL PROCESSING FOR MONTH ENDING : "
   header1  = " UNIVERSITY   OF   IBADAN "
   header2  = " PENSIONEERS  INFORMATION SYSTEM  "
   @ 01,(80 -LEN(header1))/2 SAY header1
   @ 02,(80 -LEN(header2))/2 SAY header2
```

```
@ 03,(80-LEN(mpayhdr2))/2 SAY mpayhdr2 + DTOC(pay_date)
RETURN
```

University of Ibadan
Pensioneers List by Surname as at 02/13/98

num	Name	Pens num
	ABDULAZEEZ SARAFADEEN	13610759
	DANGWARI VICTORIA	13610761
	HASSAN TAIWO	13610765
	IDRIS NAFISAT	13610768
	OLURODE DHIKRULLAH	13610766
	ONAH HILARY	13610767
	UMAR SALISU SHEHU	13610762
	WINDOKUN HALIMAT	13610764

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University of Ibadan
Pensioneers List by Department as at 02/13/98

num	Department	Pens num	Name
	STATISTICS DEPARTMENT	13610767	ONAH HILARY
	PHYSICS DEPARTMENT	13610765	HASSAN TAIWO
	PHYSICS DEPARTMENT	13610768	IDRIS NAFISAT
	CHEMISTRY DEPT.	13610759	ABDULAZEEZ SARAFADEEN
	CHEMISTRY DEPT.	13610762	UMAR SALISU SHEHU
	MICROBIOLOGY DEPT.	13610766	OLURODE DHIKRULLAH
	LIBRARY SERVICES DEPT	13610761	DANGWARI VICTORIA
	LIBRARY SERVICES DEPT	13610764	WINDOKUN HALIMAT

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University of Ibadan
Pensioneers List by State of Origin as at 02/13/98

r num	State of Origin	Pens num	Name
	BAUCHI	13610761	DANGWART VICTORIA
	BAUCHI	13610765	HASSAN TAIWO
	BAUCHI	13610768	IDRIS NAFISAT
	BAYELSA STATE	13610759	ABDULAZEEZ SARAFADEEN
	BAYELSA STATE	13610762	UMAR SALISU SHEHU
	BAYELSA STATE	13610766	OLURODE DHIKRULLAH
	KANO STATE	13610767	ONAH HILARY
	LAGOS STATE	13610764	WINDOKUN HALIMAT

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University of Ibadan
Pensioneers List by Bank as at 02/13/98

S/n	Bank	Pens num	Name
1	AFRIBANK NIGERIA PLC, MINNA	13610761	DANGWARI VICTORIA
2	AFRIBANK NIGERIA PLC, MINNA	13610765	HASSAN TAIWO
3	AFRIBANK NIGERIA PLC, MINNA	13610768	IDRIS NAFISAT
4	CITIZEN BANK PLC,LAGOS	13610767	ONAH HILARY
5	PREMIER COMMERCIAL BANK,MAIDUGURI	13610759	ABDULAZEEZ SARAFADEEN
6	PREMIER COMMERCIAL BANK,MAIDUGURI	13610762	UMAR SALISU SHEHU
7	PREMIER COMMERCIAL BANK,MAIDUGURI	13610766	OLURODE DHIKRULLAH
8	SAVANNAH BANK, JOS	13610764	WINDOKUN HALIMAT

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Ser No	Pension Number	Birthdate	Name	Emp-date	Total loan	Gratuity	Pension	Bank
		State	Sex Marital Status	Ret-date	Grade			A/C Number
			Department	Ret Age	On Ret			
1	13610759		ABDULAZEEZ SARAFADEEN	12/12/69	14000.00			PREMIER COMMERCIAL BANK,MAIDUGURI
		06/16/43	M M	05/02/97	3007	158586000.0	3575000.00	12346977
		BAYELSA STATE	CHEMISTRY DEPT.	54				
2	13610761		DANGWARI VICTORIA	01/12/60	15000.00			AFRIBANK NIGERIA PLC, MINNA
		01/03/42	F S	12/03/92	3008	195625000.0	4380000.00	71000034
		BAUCHI	LIBRARY SERVICES DEPT	50				
3	13610762		UMAR SALISU SHEHU	02/14/68	14000.00			PREMIER COMMERCIAL BANK,MAIDUGURI
		02/14/43	M M	08/14/97	3008	178106000.0	4015000.00	12346979
		BAYELSA STATE	CHEMISTRY DEPT.	54				
4	13610764		WINDOKUN HALIMAT	02/13/69	24000.00			SAVANNAH BANK, JOS
		01/16/48	F S	06/22/95	3006	136376000.0	3100000.00	90035471
		LAGOS STATE	LIBRARY SERVICES DEPT	47				
5	13610765		HASSAN TAIWO	06/14/62	3500.00			AFRIBANK NIGERIA PLC, MINNA
		06/24/42	M S	01/12/95	3007	179396500.0	4008333.33	71000039
		BAUCHI	PHYSICS DEPARTMENT	53				
6	13610766		OLURODE DHIKRULLAH	01/14/63	15000.00			PREMIER COMMERCIAL BANK,MAIDUGURI
		02/21/43	M M	04/01/96	3008	201465000.0	4501666.67	12346999
		BAYELSA STATE	MICROBIOLOGY DEPT.	53				
7	13610767		ONAH HILARY	05/13/73	13000.00			CITIZEN BANK PLC,LAGOS
		03/14/22	M S	01/03/96	3009	122987000.0	2875000.00	34000078
		KANO STATE	STATISTICS DEPARTMENT	74				
8	13610768		IDRIS NAFISAT	11/14/63	0.00			AFRIBANK NIGERIA PLC, MINNA
		02/13/41	F S	06/01/97	3007	179400000.0	4008333.33	71000042
		BAUCHI	PHYSICS DEPARTMENT	56				

University of Ibadan
Pensioneers List as at 02/13/98

STATE OF ORIGIN : LAGOS STATE

Ser No	Pension Number	Birthdate	Name / Sex / Marital Status / Department	Emp-date / Ret-date / Ret Age	Total loan / Grade / On Ret	Gratuity	Pension	Bank / A/C Number
1	13610764	01/16/48	WINDOKUN HALIMAT F S LIBRARY SERVICES DEPT	02/13/69 06/22/95 47	24000.00 3006	136376000.0	3100000.00	SAVANNAH BANK, JOS 90035471

STATE OF ORIGIN : BAUCHI

Ser No	Pension Number	Birthdate	Name / Sex / Marital Status / Department	Emp-date / Ret-date / Ret Age	Total loan / Grade / On Ret	Gratuity	Pension	Bank A/C Number
1	13610761	01/03/42	DANGWART VICTORIA F S LIBRARY SERVICES DEPT	01/12/60 12/03/92 50	15000.00 3008	195625000.0	4380000.00	AFRIBANK NIGERIA PLC, MINNA 71000034
2	13610765	06/24/42	HASSAN TAIWO M S PHYSICS DEPARTMENT	06/14/62 01/12/95 53	3500.00 3007	179396500.0	4008333.33	AFRIBANK NIGERIA PLC, MINNA 71000039
3	13610768	02/13/41	IDRIS NAFISAT F S PHYSICS DEPARTMENT	11/14/63 06/01/97 56	0.00 3007	179400000.0	4008333.33	AFRIBANK NIGERIA PLC, MINNA 71000042

STATE OF ORIGIN : RAVELSA STATE

Ser No	Pension Number	Birthdate	Name / Sex / Marital Status / Department	Emp-date / Ret-date / Ret Age	Total loan / Grade / On Ret	Gratuity	Pension	Bank / A/C Number
1	13610759	06/16/43	ABDULAZEEZ SARAFADEEN M M CHEMISTRY DEPT.	12/12/69 05/02/97 54	14000.00 3007	158586000.0	3575000.00	PREMIER COMMERCIAL BANK,MAIDUGURI 12346977
2	13610762	02/14/43	UMAR SALISU SHEHU M M CHEMISTRY DEPT.	02/14/68 08/14/97 54	14000.00 3008	178106000.0	4015000.00	PREMIER COMMERCIAL BANK,MAIDUGURI 12346979
3	13610766	02/21/43	OLURODE DHIKRULLAH M M MICRORIOLOGY DEPT.	01/14/63 04/01/96 53	15000.00 3008	201465000.0	4501666.67	PREMIER COMMERCIAL BANK,MAIDUGURI 12346999

STATE OF ORIGIN : KANO STATE

Ser No	Pension Number	Birthdate	Name / Sex / Marital Status / Department	Emp-date / Ret-date / Ret Age	Total Loan / Grade / On Ret	Gratuity	Pension	Bank / A/C Number
1	13610767		ONAH HILARY	05/13/73	13000.00			CITIZEN BANK PLC,LAGOS
		03/14/22	M S	01/03/96	3009	122987000.0	2875000.00	34000078
			STATISTICS DEPARTMENT	74				

University of Ibadan
Pensioneers List as at 02/13/98

DEPARTMENT : STATISTICS DEPARTMENT

Ser No	Pension Number	Birthdate / State	Name / Sex	Marital Status	Emp-date / Ret-date / Ret Age	Total loan / Grade / On Ret	Gratuity	Pension	Bank / A/C Number
1	13610767	03/14/22 KANO STATE	ONAH HILARY M	S	05/13/73 01/03/96 74	13000.00 3009	122987000.0	2875000.00	CITIZEN BANK PLC,LAGOS 34000078

DEPARTMENT : PHYSICS DEPARTMENT

Ser No	Pension Number	State	Birthdate	Name	Sex	Marital Status	Emp-date / Ret-date / Ret Age	Total loan / Grade / On Ret	Gratuity	Pension	Bank / A/C Number
1	13610765			HASSAN TAIWO			06/14/62	3500.00			AFRIBANK NIGERIA PLC, MINNA
			06/24/42		M	S	01/12/95	3007	179396500.0	4008333.33	71000039
		RAUCHI					53				
2	13610768			IDRIS NAFISAT			11/14/63	0.00			AFRIBANK NIGERIA PLC, MINNA
			02/13/41		F	S	06/01/97	3007	179400000.0	4008333.33	71000042
		RAUCHI					56				

DEPARTMENT : CHEMISTRY DEPT.

Ser No	Pension Number	State	Birthdate	Name Sex	Marital Status	Emp-date Ret-date Ret Age	Total loan Grade On Ret	Gratuity	Pension	Bank A/C Number
1	13610759	BAYELSA STATE	06/16/43	ABDULAZEEZ M	SARAFADEEN M	12/12/69 05/02/97 54	14000.00 3007	158586000.0	3575000.00	PREMIER COMMERCIAL BANK,MAIDUGURI 12346977
2	13610762	BAYELSA STATE	02/14/43	UMAR M	SALISU SHEHU M	02/14/68 08/14/97 54	14000.00 3008	178106000.0	4015000.00	PREMIER COMMERCIAL BANK,MAIDUGURI 12346979

DEPARTMENT : MICROBIOLOGY DEPT.

Ser No	Pension Number	State	Birthdate	Name Sex	Marital Status	Emp-date Ret-date Ret Age	Total loan Grade On Ret	Gratuity	Pension	Bank A/C Number
1	13610766	BAYELSA STATE	02/21/43	OLORODE DHIKRULLAH M M		01/14/63 04/01/96 53	15000.00 3008	201465000.0	4501666.67	PREMIER COMMERCIAL BANK,MAIDUGURI 12346999

DEPARTMENT : LIBRARY SERVICES DEPT

Ser No	Pension Number	Birthdate	Name Sex Marital Status	Emp-date Ret-date Ret Age	Total loan Grade On Ret	Gratuity	Pension	Bank A/C Number
		State						
1	13610761		DANGWARI VICTORIA	01/12/60	15000.00			AFRIBANK NIGERIA PLC, MINNA
		01/03/42	F S	12/03/92	3008	195625000.0	4380000.00	71000034
		BAUCHI		50				
2	13610764		WINDOKUN HALIMAT	02/13/69	24000.00			SAVANNAH BANK, JOS
		01/16/48	F S	06/22/95	3006	136376000.0	3100000.00	90035471
		LAGOS STATE		47				

RANK : SAVANNAH RANK, JOS

Ser No	Pension Number	State	Birthdate	Name Sex	Marital Status	Department	Emp-date Ret-date	Ret Age	Total loan Grade	On Ret	Gratuity	Pension	A/C Number Pays
1	13610764			WINDOKUN HALIMAT			02/13/69		24000.00				
			01/16/48	F	S		06/22/95	47	3006		136376000.0	3100000.00	90035471
		LAGOS STATE				LIBRARY SERVICES DEPT							

BANK : AFRIBANK NIGERIA PLC, MINNA

Ser No	Pension Number	State	Birthdate	Name / Sex / Marital Status / Department	Emp-date / Ret-date / Ret Age	Total Loan / Grade / On Ret	Gratuity	Pension	A/C Number / Pays
1	13610761			DANGWARI VICTORIA	01/12/60	15000.00			
			01/03/42	F S	12/03/92	3008	195625000.0	4380000.00	71000034
		BAUCHI		LIBRARY SERVICES DEPT	50				
2	13610765			HASSAN TAIWO	06/14/62	3500.00			
			06/24/42	M S	01/12/95	3007	179396500.0	4008333.33	71000039
		BAUCHI		PHYSICS DEPARTMENT	53				
3	13610768			IDRIS NAFISAT	11/14/63	0.00			
			02/13/41	F S	06/01/97	3007	179400000.0	4008333.33	71000042
		BAUCHI		PHYSICS DEPARTMENT	56				

BANK : PREMIER COMMERCIAL BANK,MAIDUGURI

Ser No	Pension Number	Birthdate	Name Sex Marital Status	Emp-date Ret-date	Total loan Grade	Gratuity	Pension	A/C Number
		State	Department	Ret Age	On Ret			Pays
1	13610759		ABDULAZEEZ SARAFADEEN	12/12/69	14000.00			
		06/16/43	M M	05/02/97	3007	158586000.0	3575000.00	12346977
		BAYELSA STATE	CHEMISTRY DEPT.	54				
2	13610762		UMAR SALISU SHEHU	02/14/68	14000.00			
		02/14/43	M M	08/14/97	3008	178106000.0	4015000.00	12346979
		BAYELSA STATE	CHEMISTRY DEPT.	54				
3	13610766		OLURODE DHIKRULLAH	01/14/63	15000.00			
		02/21/43	M M	04/01/96	3008	201465000.0	4501666.67	12346999
		BAYELSA STATE	MICROBIOLOGY DEPT.	53				

RANK : CITIZEN BANK PLC,LAGOS

Ser No	Pension Number	Birthdate	Name / Sex / Marital Status	Emp-date / Ret-date	Total loan / Grade	Gratuity	Pension	A/C Number
		State	Department	Ret Age	On Ret			Pays
1	13610767		ONAH HILARY	05/13/73	13000.00			
		03/14/22	M S	01/03/96	3009	122987000.0	2875000.00	34000078
		KANO STATE	STATISTICS DEPARTMENT	74				

University of Ibadan
Pensioneer's Information System
Pensioneer's Payroll for the period ended : 02/16/98

S/no	Pen no	Name	Bank	Amount
1	13610759	ABDULAZEEZ SARAFADEEN	PREMIER COMMERCIAL BANK,MAIDUGURI	3575000.00
2	13610761	DANGWARI VICTORIA	AFRIBANK NIGERIA PLC, MINNA	4380000.00
3	13610762	UMAR SALISU SHEHU	PREMIER COMMERCIAL BANK,MAIDUGURI	4015000.00
4	13610764	WINDOKUN HALIMAT	SAVANNAH BANK, JOS	3100000.00
5	13610765	HASSAN TAIWO	AFRIBANK NIGERIA PLC, MINNA	4008333.33
6	13610766	OLURODE DHIKRULLAH	PREMIER COMMERCIAL BANK,MAIDUGURI	4501666.67
7	13610767	ONAH HILARY	CITIZEN BANK PLC,LAGOS	2875000.00
8	13610768	IDRIS NAFISAT	AFRIBANK NIGERIA PLC, MINNA	4008333.33

University of Ibadan
Pensioneer's Information System
Bank Schedule summary for the period ended : 02/16/98 Page 1

Ser num	Bank	Amount
2	AFRIBANK NIGERIA PLC, MINNA	7480000
5	PREMIER COMMERCIAL BANK,MAIDUGURI	11591666.66
8	CITIZEN BANK PLC,LAGOS	11391666.67

UNIVERSITY OF IBADAN
PENSIONEERS INFORMATION SYSTEM
PAYROLL PROCESSING FOR MONTH ENDING : 02/13/98

Pensioneer No....:13610768
Department Code..:2003 PHYSICS DEPARTMENT
State of Origin..:4003 BAUCHI
Bank Code.....:1005 AFRIBANK NIGERIA PLC, MINNA
Account #.....:71000042
Name.....:IDRIS NAFISAT
Address..... ...:04 TIWADAYO STREET OKENE
Grade level.....:3007
Gratuity.....: 0.00
Pension.....: 4008333.33

UNIVERSITY OF IBADAN
PENSIONEERS INFORMATION SYSTEM
PAYROLL PROCESSING FOR MONTH ENDING : 02/13/98

Pensioneer No....:13610767
Department Code..:2001 STATISTICS DEPARTMENT
State of Origin..:4009 KANO STATE
Bank Code.....:1007 CITIZEN BANK PLC,LAGOS
Account #.....:34000078
Name.....:ONAH HILARY
Address..... ...:16 MATERNITY STREET NSUKKA
Grade level.....:3009
Gratuity.....: 0.00
Pension.....: 2875000.00

UNIVERSITY OF IBADAN
PENSIONEERS INFORMATION SYSTEM
PAYROLL PROCESSING FOR MONTH ENDING : 02/13/98

Pensioneer No....:13610766
Department Code..:2005 MICROBIOLOGY DEPT.
State of Origin..:4006 BAYELSA STATE
Bank Code.....:1006 PREMIER COMMERCIAL BANK,MAIDUGURI
Account #.....:12346999
Name.....:OLURODE DHIKRULLAH
Address..... ...:20 ALBARKA STREET IWO
Grade level.....:3008
Gratuity.....: 0.00
Pension.....: 4501666.67

UNIVERSITY OF IBADAN
PENSIONEERS INFORMATION SYSTEM
PAYROLL PROCESSING FOR MONTH ENDING : 02/13/98

Pensioneer No....:13610765
Department Code..:2003 PHYSICS DEPARTMENT
State of Origin..:4003 BAUCHI
Bank Code.....:1005 AFRIBANK NIGERIA PLC, MINNA
Account #.....:71000039
Name.....:HASSAN TAIWO
Address..... ...:23 AGBOWO STREET OJO IBADAN
Grade level.....:3007
Gratuity.....: 0.00
Pension.....: 4008333.33

UNIVERSITY OF IBADAN
PENSIONEERS INFORMATION SYSTEM
PAYROLL PROCESSING FOR MONTH ENDING : 02/13/98

Pensioneer No....:13610764
Department Code..:2007 LIBRARY SERVICES DEPT
State of Origin..:4001 LAGOS STATE
Bank Code.....:1003 SAVANNAH BANK, JOS
Account #.....:90035471
Name.....:WINDOKUN HALIMAT
Address..... ...:14 AIMASIKO STREET AKURE
Grade level.....:3006
Gratuity.....: 0.00
Pension.....: 3100000.00

UNIVERSITY OF IBADAN
PENSIONEERS INFORMATION SYSTEM
PAYROLL PROCESSING FOR MONTH ENDING : 02/13/98

Pensioneer No....:13610762
Department Code..:2004 CHEMISTRY DEPT.
State of Origin..:4006 BAYELSA STATE
Bank Code.....:1006 PREMIER COMMERCIAL BANK,MAIDUGURI
Account #.....:12346979
Name.....:UMAR SALISU SHEHU
Address..... ...:49 KAURU ROAD GUSAU
Grade level.....:3008
Gratuity.....: 0.00
Pension.....: 4015000.00

UNIVERSITY OF IBADAN
PENSIONEERS INFORMATION SYSTEM
PAYROLL PROCESSING FOR MONTH ENDING : 02/13/98

Pensioneer No....:13610761
Department Code..:2007 LIBRARY SERVICES DEPT
State of Origin..:4003 BAUCHI
Bank Code.....:1005 AFRIBANK NIGERIA PLC, MINNA
Account #.....:71000034
Name.....:DANGWARI VICTORIA
Address..... ...:26 RABAH ROAD KADUNA
Grade level.....:3008
Gratuity.....: 0.00
Pension.....: 4380000.00

UNIVERSITY OF IBADAN
PENSIONEERS INFORMATION SYSTEM
PAYROLL PROCESSING FOR MONTH ENDING : 02/13/98

Pensioneer No....:13610759
Department Code..:2004 CHEMISTRY DEPT.
State of Origin..:4006 BAYELSA STATE
Bank Code.....:1006 PREMIER COMMERCIAL BANK,MAIDUGURI
Account #.....:12346977
Name.....:ABDULAZEEZ SARAFADEEN
Address..... ...:20 AIYEGUN STREET OSOGBO
Grade level.....:3007
Gratuity.....: 0.00
Pension.....: 3575000.00