COMPUTERISATION OF YEARLY STATE GOVERNMENT CASH IN AND OUT FLOW ANALYSIS

(A CASE STUDY OF LAGOS STATE GOVERNMENT)

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CERTIFICATION

This is to certify that this project was carried out by Justina Nwodika in the Department of Math and Computer Science, Federal University of Technology, Minna Niger State.

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(External Supervisor)

Date:.....

DEDICATION

This project work is greatly dedicated to God Almighty who gave me the grace and mercy to be able to sail through the course and project.

ACKNOWLEDGEMENT

I am grateful to the Almighty God for his grace and love given to me to enable me complete this work successfully.

It is with a deep sense of appreciation that I note the improvement to this project work brought about by the assistance of my supervisor, DR. Yomi M. Aiyesimi, who took his time and effort to put me through in time of difficulties. To him I am highly indebted and grateful.

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I wish also to acknowledge the assistance given to me by members of State Government staff, and my friends Gladys Njoku, Gina Pogah, Mary N., Mr. Dennis O. Dike and Kabir Adekola of Olusola Adekanola & Co. chartered Accounting Firm for the excellent ideas, suggestions and tremendous efforts in seeing this research work through successfully.

ABSTRACT

Computerisation is the effective replacement of repetitive human interaction in an existing system by an automation process, or implementation of Computer technology in the achievement of desired objective. It also puts into consideration the minimal intervention of human operation.

Therefore, Cash flow analysis is the actual movement of cash received IN and cash paid OUT, to and from the State Government respectively.

Nevertheless for the activity to be carried out effectively, various advantages of Computer has to be looked into such as high speed, storage, automation and quick accessibility.

Hence the study will focus on the Computerisation of yearly State Government cash IN and OUT flow analysis to various Ministries, Departments and Parastatals. A case study of Lagos State Government.

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CHAPTER ONE

AN OVERVIEW OF PEOPLE THAT HANDLE STATE GOVERNMENT CASH IN FLOW AND OUT FLOW

The cash in and out flow analysis of the State Government is been handle by the state Ministry of Finance.

The Lagos State Ministry of Finance is handle by the Chief Executive; i.e the Commissioner for Finance who is vested with the full control and responsibility of all financial matters of the State.

Chief Executive also delegates substantial part of his administrative and financial functions and authority to the Director-General. HE is also, fully involved in the key decision making process of the Ministry.

The third person in the cadre is the Accountant-General of the State, who is the chief Accounting officer, and is charged with the full responsibility of the administrative and keeping Government accounts.

He is answerable to the Director-General, and all transactions and payment must pass through the Director-General to the Commissioner final approval. Likewise in the same vein, the Commissioner directives to other Director are passed through the Director-General.

The Accountant-General who is the head of treasury division is required to sign and present to the Auditor-General Final accounts, showing fully the financial position of the State on the last day of each year.

The treasury comprises of the following sections:-

1. Cash supply
2. Final account
3. Inspectorate
4. Revenue accounting
5. Central account

Although the study will focus mainly on activities of Cash supply and Revenue accounting sections only.

PROBLEM DEFINITION

The Lagos State Government has undergone manual method of analysing cash IN and OUT flow within the State to various Ministries and

2.1.2 ADMINISTRATIVE CONTROL

These are plan procedure e.t.c. designed to asses the efficiency of operations. They are concerned with the decision process and the basis of managements authorisation of transactions. Administrative controls and both groups of controls are derived from policies established by management. Administrative controls aims at encouraging adherence to management policy and aid in the measurement of that adherence. They help to evaluate efficiency of operations and promote same.

2.1.3 ACCOUNTING CONTROLS

These are the check balance and supervisory controls within and around the accounting system installed to ensure that all financial transactions and events are accurately recorded in the system completely and promptly; that there are safeguards over the custody and use of assets held by the organisation and the possibility of the occurrence of errors and improper or illegal financial transactions are reduced to the bearest minimum.

2.2 LAGOS STATE GOVERNMENT FORMS OF CASH IN AND OUT FLOW

RECURRENT REVENUE/RECEIPTS:-

The recurrent Revenue for the year will be compiled from the transactions entries recorded from vouchers and vouchers summaries and other document of receipts as they relate in the year's accounts. the account heads to be considered here include Taxes, fines and fees, licences, earnings and sales, Rents and Government property, interest, Dividend and Repayment, Re-imbursement and miscellaneous Revenue, all these heads comes from the internal Revenue of the State. There is also Federal statutory allocation for the State which is under Recurrent Revenue.

(A) INTERNAL REVENUE

These will be summarised under the following headings;

2.2.1 TAXES

These are Revenue taxes from Pay - As - You - Earn, Direct Assessment, Entertainment tax, Tax on Dividend, Tax on Rent income, Sales tax, Stamp Duties, Pool Betting tax, Game machine tax, Tax on contracts and tax on interests.

2.2.2 LICENCES

These are Revenue derived from the Auctioneering licence, Game machine licence, Motor vehicle and Driving licence, Road worthness and other miscellaneous Road licence, Animal trade

Parastatals which has brought delay in the payment of expenses and collection of Revenue.

It also leads to inaccuracy in calculation, dishonesty, and human errors . This has in one way or the other affected the State Government greatly especially the management.

Hence, the need for the State Government to now discord her manual method and all activities relating to cash IN and OUT flow to be fully Computerised.

OBJECTIVE OF THE STUDY

The objective of the study is to eliminate inaccurate manual computation of payment vouchers and Receipt vouchers in order to reduce fraudulent act in the system.

To handle data efficiently and accurately so as to provide the management with timely information.

Also to speed up access to and availability of reliable data in the system. Also eliminate duplication, conflicting and unnecessary service in the system.

To minimise operating cost and maximise savings so as to meet the needs of employee.

IMPORTANCE OF THE STUDY

The study is to highlight the need for the establishment of Computer Centre or department in the State Government, as it will contribute to the successful generation of accurate and efficient financial reports at any point in time when needed.

Also to ensure effective control and accountability of public fund, effective prevention of malpractice in the system.
To smoothen the flow of data through various levels of the State Government.

METHODOLOGY OF THE STUDY

SOURCE OF DATA

For the purpose of this study, the researcher considered it reasonable enough to use Lagos State Government as a case study. In this study, the main source of data obtained were of two types:-

METHODOLOGY OF THE STUDY

SOURCE OF DATA

For the purpose of this study, the researcher considered it reasonable enough to use Lagos State Government as a case study. In this study, the main source of data obtained were of two types:-

(a) PRIMARY DATA
This include Journals, Ledger, Cash Book, Vouchers and Voucher Summary and Salary Record Card.

(b) SECONDARY DATA:-
This include the use of available documents and library research. The data include published and unpublished materials. Published materials include text books, business reports, journals, newspapers, organisation manuals, while unpublished materials include interviews with staff i.e oral interview.

The information extracted from the source constitute a greater part of the secondary data used. And it is based on the fact that it is suitable for the study and it also forwards identifying the various benefits of efficiency in the use of computer and how it improved the organisation performance.

SCOPE AND LIMITATION OF THE STUDY

The scope of this study is to how computer can be used to eliminate inaccurate manual calculation of cash IN and OUT flow, salary payment vouchers, and how it could reduce fraudulent acts in the system. With particular reference to cash supply section of the Lagos State Government.

The researcher was faced with the following limitations; unwillingness of some directors and staff of the State Government to disclose vital information that could have helped in the research.

Also in carrying out this research, some problems were encountered which include; time constraints, and poor response from staff of the Ministry. Having considered some of the misguided believes and erroneous impressions by some respondents, that they are faced with the problems of fear of being exposed and fear of being retrenched or dismissed by the State Government for disclosing the organisation secret.

CHAPTER TWO

LITERATURE REVIEW

2.0 PROBLEMS WITH THE PRESENT SYSTEM

The main problem emanating from the present system is that accounting books were not prepared up to date and there is lack of accurate information.

Also,there is problem of inaccuracy and slow processing of data and the consequent delay in compilation and preparation of papers for payment and receipts to various ministries and parastatals

It was also discovered that accounting entries and records were not properly prepared and wrongly entered vote books and cash books and this could lead to inaccurate accounting officers before any accountant could be posted to any ministry.

There is also lack of adequate discipline and effective control and supervision of staff preparing the receipts and payment vouchers. And this create room for those in charge of receipts and payment indulging fraudulent acts.

It was discovered that some hand working officers were not adequate rewarded and motivated which make most accounting officers indulging in frequent fraudulent acts.

2.1 INTERNAL CHECKS AND BALANCES;-

Financial control can be classified into external and internal control, but special emphasis will however be placed on accounting controls within the overall framework of internal control.

2.1.1 INTERNAL AUDIT

Internal audit accounting to the institution of internal auditors is an independent appraise activity within an organisation for review of accounting, financial and other operations as a basis for services to the management. It is a management control which functions by measuring and evaluating the effectiveness of other controls.

licence, Cinematography licence and other State licence.

2.2.3 EARNING AND SALES
These are Revenue derived from printing charges, motor vehicles, sales of Agricultural products, tractor hiring consultancy fees and other Earnings and sales from the State Government.

2.2.4 FINES AND FEES
These are Revenue coming from Boarding fees, tuition fees, Examination fees, Fire certificate fees, chemical and inoculation fees, Court-fines, processing of contracts fees, motor vehicles registration fees, Building fees, Irrigation fees, Professional fees, Survey fees and General fees.

2.2.5 RENT ON GOVERNMENT PROPERTIES
Rent on Government properties Revenue will be derived from the following sub-quarters, certificate of occupancy, Ground Rents and other Rents on State Government properties.

2.2.6 INTEREST, DIVIDENDS AND REPAYMENT
These are Revenue from bank deposits interest and Dividends on Governments shares and other State Government repayments.

2.2.7 RE-IMBURSEMENT
These are Revenue from contributions for Retires seconded State workers and from Federal Government on Retired benefits and other miscellaneous re-imbursement to the State Government.

2.2.8 MISCELLANEOUS INTERNALLY GENERATED REVENUE
These are all other sorts of internally generated Revenue not mentioned above. They include Revenue from Deposits on right of Occupancy, Right of Occupancy compensation recovery, Scholarship grant from the Federal Government and other miscellaneous internally generated Revenue for the State Government.

(B) STATUTORY ALLOCATIONS OF FEDERAL GOVERNMENT
These contributes the greater part of the State Government Recurrent Revenue of the year. These include the monthly Revenue allocation from the Federal Account and the State share of the Value Added Tax (VAT) when available.

2.3.0 RECURRENT EXPENDITURE

Statement of Recurrent Expenditure will also be compiled from the transaction entries from the vouchers and vouchers summaries and other documents relating to the year Expenditure (Recurrent Payment). The Accounts heads to be considered have include Ministries, Departments and Parastastals in the State for the year. This will majorly be divided into three, that is personnel costs, overhead costs and other overhead costs. The details which will involve the Estimates and all the Sub-heads of Ministries/Department where payments are made. The details of heads and Sub-heads will be described in below.

2.3.1 PERSONNEL COST

These are expenditure made on staff salaries of various Ministries, Departments and Parastastals where we have staff members of the State Government. The Staff salaries and Emoluments are divided into two-taxable payments, Non-taxable Allowances and Leave Grant.

(A) TAXABLE PAYMENT

Taxable payments include Basic Salary, Arrears, overtime and others taxable payments. These will be summarised under Ministries, Departments and parastatals of the State Government.

(B) NON-TAXABLE ALLOWANCES

These will include Housing Allowance, Transport Allowance, Utility, Domestic Allowance, Responsibility allowances, Call Duty Allowances, Entertainment Allowances, Hazard Allowances and other non-taxable allowances which will also be summarised under the same ministries, Departments and Parastatals of the State Government.

2.3.2 OVER-HEAD COSTS

These include the following, Travel and Transport, Utility services, Telephone and Postal services, Stationery, maintenance of office furnitures, Equipment, Vehicles and Capital Assets, Consultancy express. Most of those expenditures will effect the Staff members and office maintenance costs. Each of the Ministries, Departments and Parastatals will have the above heading for their over-head expenditure.

2.3.3 OTHER GENERAL OVER-HEAD COSTS

Most of these over-heads costs do not involve Staff members of the State Government current in service. These over-head costs will be summarised under the following; Pension and Gratuities, Public Debt, Charges, Local Government Dues, Payment of Subventions and other contributions.

(a) PENSIONS AND GRATUITIES

These include payment made to Retired Staff of the State Government as their Retirement Gratuities and monthly pensions. It also include contributions to pensions, Gratuities to contract offices and other insurance payments.

(b) PUBLIC DEBT CHARGES

These includes various loans payments granted by Banks and other World organisation to the State Government for Agricultural and other purpose. It also include payments of Debts owned to contractors and other Agencies.

(c) LOCAL GOVERNMENT DUES

These are payment of dues to the Local Governments in the State by the State Government. It is normally 10% of their taxes, fees, rates and other taxes paid to the State Government by the Local Governments.

(d) PAYMENT OF SUBVENTIONS

These are payment of subventions of various Boards, Colleges of Education, State Polytechnics, State Public corporations, Government Agencies, Agricultural Forums and Organisation and Management and Consultancy Services.

2.4.0 CAPITAL REVENUE

These deals with Capital Receipts by Sub-heads. The capital receipts will be compiled from the transactions entries taken from the recorded vouchers and voucher summaries and other relating documents for the year. The heads that will likely be involved here include transfer from consolidated revenue fund, internal loans, external loans, grants, miscellaneous revenue, opening balances from previous year and stabilisation fund reserve. These are principally divided into two namely Transfer from Consolidated Revenue fund and other Capital Receipts. The details of Sub-Heads Accounts will be discuss below.

2.4.1 TRANSFER FROM CONSOLIDATED REVENUE FUND
This includes any transfer from the Consolidated Revenue Fund for any capital project in the State for the year.

2.4.2 INTERNAL LOANS
This includes Development loan stock, commercial/merchant Banks' loans and other Internal loans for capital development project in the State.

2.4.3 EXTERNAL LOANS
This includes world Bank loan, Bilateral loan capital market loan, and other External loans for capital projects.

2.4.4 GRANTS
Capital developments grants for the State Government includes Agriculture Development Project grants, UNICEF (RUWANTSAN) industrial development fund, Disaster relief fund and other grants to the State Government for Capital projects for the year.

2.4.5 STABILIZATION FUND
This is normally granted by the Federal Government to the State Government for capital development projects for the year.

2.4.6 OPENING BALANCE OF THE PREVIOUS YEAR'S ACCOUNT
This is opening balance of the last year's Account is normally carried forward for the bringing of the year's project revenue.

2.4.7 MISCELLANEOUS CAPITAL REVENUE
Any other capital development revenue not treated above will be classified under this sub-heading.

2.5.0 CAPITAL EXPENDITURE
It deals with Capital Expenditures by sub-heads. As usual capital Expenditure will be compiled from transactions recorded from the vouchers, vouchers summaries and other relating documents to the year.

This is divided into majority four sector, namely the Economic Sector, Social Sector, Regional Sector and Administrative Sector. Capital Expenditures which involves payments made for capital Development project in the State by the State Government. This

Expenditure will be classified under the following sectors;

2.5.1 ECONOMIC DEVELOPMENTS SECTOR

These include investments made under the following headings; Agriculture, Electrification and Commerce, Finance, Tourism and Transportation.

(a) AGRICULTURE AND RURAL DEVELOPMENT

These will include Buffer Stock, Agrochemical clearing of Land, Tractor hiring services, purchase of fertilizer, production of Agricultural products and other agricultural capital expenses.

(b) LIVE STOCK

Live Stock includes investment payments made to veterinary clinic and Epizootic centres, Grazing reserve and Animal feeds.

(c) FORESTRY

Forestry involves expenditure made on plantation development, production of planting stock, Timber and Pole plantation and Tropical forestry.

(d) FISHERIES

Fisheries includes investment made on the following; fish conservation and multiplication, fishing inputs, provision of fishing and other fisheries inputs.

(e) MANUFACTURING

The State Government investment and expenses on small scale industries credit scheme, capital investment, industrial layouts estate and other manufacturing investments constitute the manufacturing expenditure.

(f) RURAL ELECTRIFICATION

Government Rural Electrification include Electrification of Towns, Rural Electrification Board, and other state wide Electrification .

(g) COMMERCE, FINANCE AND TOURISM

These will include expenditure on Tourism development, promotion of Trade Fairs, Resort centres and other Tourism units.

(h) TRANSPORTATION

Transportation capital expenditure include construction and the maintenance of multi-state roads, state roads and township roads.

2.5.2 SOCIAL SECTOR

The social sector will be treated under the following headings; Education, Health, Information and Social development Youth and Sports.

(a) EDUCATION

These include capital expenditure on School (Senior and Junior Secondary School(s). Teachers training colleges, Normadic Education, Science equipments, Technical schools, Vocational colleges, Women Education, Directorate of science and technology and other education Research Centre investment.

(b) HEALTH

Provision of primary Health care services, procurement of vaccines and equipments, provision of essential drugs, Building and maintenance of hospitals, construction of health staff members quarters and provision of other hospital equipment will be made here as capital expenditure.

(c) INFORMATION

This will include the provision of state libraries and their maintenance, purchase of public, Address equipments, Radio and Television station equipment and Refurbishment of stations transmitters and generators.

(d) SOCIAL DEVELOPMENT, YOUTHS AND SPORT

These include provision of Sports equipment, provision of stadia, children recreation centres, old people and Orphanage and entertainment centres.

2.5.3 REGIONAL DEVELOPMENT SECTOR

These sector constitute of the following; Water Resources and Water Supply, Environment Sewerage and Drainage, housing, Town and Country Planning and Community Development.

(a) WATER RESOURCES AND WATER SUPPLY

These include water supply projects maintenance of water supply scheme, RUWATSAN projects and other water supply expenses.

(b) ENVIRONMENTAL SEWERAGE AND DRAINAGE

These include expenditure on erosion and Flood control, Township

Drainage, and Environment Protection Agencies.

(c) HOUSING

These include the construction and maintenance of Government quarters, Staff members housing loan scheme, Construction and maintenance of staff quarters and other state Government houses.

(d) TOWN AND COUNTRY PLANNING

These include development of layout, mapping of towns, purchase of survey equipments and other state town planning investments.

(e) COMMUNITY DEVELOPMENT

These include the provision of street light, VIO's office and equipments, flood control scheme, Development of Boarder towns and other community development projects.

2.6.0 ADMINISTRATIVE SECTOR

This involves the general administration of the state Government that involve capital expenditure. These include construction and maintenance of Government Liaison offices, House of Assembly complex,printing machine and equipments. Construction and maintenance of Government complexes, purchase of vehicles, purchase of major office equipments, court complexes and other sate Government administrative capital expenditure.

BENEFIT OF COMPUTER IN THE STATE GOVERNMENT CASH IN AND OUT FLOW ANALYSIS

The benefit of computer in this sector cannot be over-emphasised, due to the conforms and objective of which it is been used.

With the aid of computer, a huge volume of data which involves sorting, updating information, merging, searching for a particular key of a pile data could be done without stress. This is because of the ability of the computer to perform repetitive tasks which makes things easier and reduce working hours, which also bring greater renumeration in return.

In terms of accuracy and reliability, data that must be entered into the computer must be validated as to ensure that decisions are made with information obtained from accurate data. And such data must be reliable and current and not out dated information.

The speed of the computer is again one of the distinguishing factors that make it invaluable, from the saying that time is money, speed is equally synonymous to time, and since computers work at a phenomenal speed coupled with its ability to access records or information directly from remote locations, efforts should be directed towards introducing computer into every aspect of human endeavor.

Another benefit of computer is in the area of checks on double entries and payment, is that computer can be programmed in a way that double entries can be detected and control.

CHAPTER THREE

SYSTEM ANALYSIS AND DESIGN

INTRODUCTION

Computerisation is the effective replacement of repetitive human interaction in an existing system by an automation process, or implementation of computer technology in the achievement of a desired objective. It also puts into consideration the minimal intervention of human operation.

Computer commonly regarded as a "thinking machine". It s really a programmed unit that performs only the operations it is instructed to do. A computer is faster, more economical and more reliable. It converts input data to output data by operating on it. The computer processing is performed by a program written by a computer programmer which indicates the instruction necessary to operate on the inputs so that meaningful output is realised.

Computer technology has come to stay with us with it's profound impact on every aspect of our lives, perhaps this is the reason why computer literacy is almost become the prime requirement when, one is computing for any skilled job today.

The Computerisation of any organisation needs to emphasis on the data, forms, information, flows and procedures e.t.c.

This approach is necessary because computers are subordinate parts of an information system; that normally improves the organisational results.

Also before any changes could be carried out over any organisation set up, the motive for the changes must be identified fully examined critically so as to justify the imperative for change.

The system analysis tries to examine what the current system is, and what remedy is to apply as to correct the situation. Also analysing the current procedures and designing the most efficient and economical system or procedures that will better accomplish given tasks within an organisation.

3.1 PROBLEM IDENTIFICATION AND DEFINITION

Having examined the old system the following problems were discovered:-

(a) There is delay in preparing receipts and payment account for the State Government on yearly basis.
(b) There is also problem of omission of one transaction or the other in compiling the yearly transaction of cash IN and OUT flow of the State Government because of large volume of data.

(c) There is present of unauthorised payment.

(d) Mishandling of input document from the personnel department to the cash supply section.

(e) Generation of high volume of paper work and inaccuracy in calculation, dishonesty and human errors was also discovered.

With the above problem discovered by the system analyst the Lagos state Government now suggested the manual method of cash IN and OUT analysis to be Computerised.

3.2 FEASIBILITY STUDY

This will involve total study of the manual system with a view of how it will be converted in a Computerised. The study that will be carried out will be based on the following; Interview , questionnaire, Recording, Observation and any other means of getting information on the manual system to develop the Computerised system.

3.2.1 INTERVIEW

This will involve oral question on the existing manual system which will be carried out by the Programmer or the system Analyst that will be involved in developing the computerised system. This interview will be carried out with various staff personnels of the State Government that are involve with the preparation of computerised system data and reports.

3.2.2 QUESTIONNAIRE

These are prepared Questions and may be also use as a means to obtain information on the system to be developed. It will involve prepared questions on the old and new systems which will be served to the concerned staff members of the Lagos State Government that may be connected in the preparation of the Government of Lagos State yearly cash IN and OUT flow analysis. All

these questionnaires will be collected by the Programmer or the system Analyst for study towards the development of the computerised system of the state government yearly cash IN and Out flow analysis.

3.2.3 RECORDINGS AND DOCUMENTATIONS

This will involve the study of all the documents and records, vouchers and voucher summaries and other related documents used in the preparation of the State Government yearly cash IN and OUT flow analysis by the system Analyst.

All the above documents will be thoroughly studied before the new system is embarked upon by the system Analyst.

3.2.4 OBSERVATIONS

On the manual system observations may also be one of the ways information for the computerisation of State Government cash IN and OUT flow Analysis may be obtained.

All the above methods of the feasibility study will be carried to make sure that the new system (Computerisation of the Lagos State Government yearly IN and OUT flow) is complete and error free.

Based on the feasibility study that was carried out by the Analyst, the strength and weakness of the existing system was discovered.

It was concluded that inaccurate and slow compilation and preparation of receipts and payment vouchers of various Ministries and Parastatals can be solved, by the computerising the system.

It was discovered that the existing system is full of errors and inefficiency and the desire to increase productivity in the ministry and reduce cost by eliminating these deficiencies constitute the move for more effective and useful structure of information, for better organisation and decision making.

3.3 COST BENEFIT ANALYSIS

3.3.1 SIZE OF THE PROJECT

At the moment the Lagos State Government yearly cash IN and OUT flow transaction will be about two to three million. The project is expected to take a period of five (5) month as reflected in the actual cost and benefits analysis.

3.3.2 COST AND BENEFIT OF THE PROPOSED SYSTEM

The proposed system will need hardware and software, and human ware to accomplish it task or purpose. The project cost of developing the system are as follows:-

3.3.3 COST OF DEVELOPING SYSTEM

System analysis and requirement determination
(8 weeks) for 10 staff at =N=5,000.00 per week =N= 400,000.00

System design:
(8 weeks) for 10 staff at =N=6,500.00 per week =N= 520,000.00

Development and Implementation
(16 weeks) for 13 staff at =N=7,500.00 per week =N=1,560,000.00

2,480,000.00

INDIRECT COST FOR STAFF PERSONNEL
Equipment purchase

	=N=
5 IBM PC's, model 4122, 150MHZ	250,000.00
5 display terminal at =N=25,000.00 each	125,000.00
5 line printer at =N=60,000.00 each	300,000.00
Computer furniture	40,000.00
Installation	20,000.00
Training staff	60,000.00
UPS(uninterrupted Power supply)	25,000.00
	820,000.00

COST OF OPERATING THE SYSTEM
Stationary i.e

	=N=
Ribbon, Paper, Diskette	30,000.00
Equipment Maintenance	15,000.00
Miscellaneous Expenses	15,000.00
TOTAL	**60,000.00**

Overall cost **=N=3,360,000.00**

3.3.4 THE BENEFIT OF THE SYSTEM

Merit of the new system might not be easy to identify or quantify immediately.

However, it saves time and cost. It will eliminate duplication of paper work and frequent omission of some vital transaction of the State Government.

Also, it will reduce generation of high volume of prepare work and computer is equally synonymous to time and since computers work at a phenomenal speed coupled with its ability to access records. This will reduce delay in receipts and payment preparation of the State Government.

3.4 TESTING THE PROJECT FEASIBILITY

3.4.1 OPERATIONAL FEASIBILITY

The project is operationally feasible, based on the fact that was discovered during investigation; which revealed the desire of those concerned with operations as well as the users of the system to have strongly supported the proposal of an automated system. As this will reduce error and inefficiency and increase productivity in the State Government yearly cash IN and OUT flow analysis.

3.4.2 TECHNICAL FEASIBILITY

With some of the discoveries during the investigation, the project is technically feasible because, the State Government has few IBM PC'S and some staff members who are also competent to handle the machines. Therefore, the available software and hardware technologies have made it more desirable than the old system. Although, the State Government desire to expand it's system as well as increase it's productivity.

3.4.3 ECONOMICAL FEASIBILITY

The project is economically feasible, based on the findings the management has shown their desire to automate the system, with the view to correct the errors of the past and the desire to move forward in the area of information processing. It will be less expensive to carry out this project, since the State Government has some hardware and software and competent human ware to start with.

CHAPTER FOUR
SOFTWARE DEVELOPMENT AND IMPLEMENTATION

4.0 INTRODUCTION

Software development are series of programs designed to allow user to operate the Computer System in order to perform specific tasks. These include system programs and application programs. System programs control computer operations (called operating system) and programs to aid trouble shooting when computer develops problems.

Application programs are series of instruction known as programs which are executed by the computer to accomplish desired task for users.

Naturally, Mathematical problem are easier to defined since formulas are involved and well defined. A commercial data processing may involve so many sub-tasks, procedure and routines that must be well defined and formulated using mathematical statements and operators. Once, this is done the solution to the problem can be defined.

The second stage involved analysing the various procedures or routines defined, to find a method of solution. The analysis involved in a commercial data processing may involve manipulating the records in a file, establishing a relationship between the various data elements, and the description of the medium of storage.

4.1 CHOICE OF LANGUAGE

There are three main levels of programming languages namely machine or low level, Assembly and high level. But in this project research work the machine and Assembly Languages are completely ruled out because of the complexity and cumbersome nature of these languages. High Level Language is therefore for this work. There are many high level languages namely BASIC, COBOL, PASCAL, PROLONG, FORTRAN, FOXPRO, dBASE, C-LANGUAGE etc. Among all these high level programming computer languages dBASE is the most suitable for this project work because of its data centrilization and the ability to handle large volume of data with

speed and accuracy. It is a data base language licence its name. So in this project work dBase IV programming language will be used.

4.2 SYSTEM CONVERTION

This involves procedure to change from the manual system to the computerised system. It entails four methods such as pilot method, direct-method, parallel method, and phase conversion method.

(A) PILOT APPROACH

This method involves some parts of the working system been installed and later the rest of the old system can be installed based on the arrangement and agreement.

(B) PARALLEL APPROACH

This method involves a situation whereby the old system and the new system are run concurrently using the same input data. The output from the old system continuous to be operational until the old system is discontinued and the new system takes its place fully.

(C) DIRECT APPROACH

The direct method involves the existing system been dismantled completely for the new system to replace the old system.

(D) PHASED CONVERSION APPROACH

This method involves integrating components of the old system into the new system, by so doing, the old system is gradually phased out.

Also, this is the best way to design data in hierarchical structure of related processing activities grouped together.

Although, it has cost minimisation advantage as two systems are not operated together simultaneously. Conversion in this approach, is gradual as part of the old system has computer support and it is time consuming. But cost of maintenance of the two system is enormous.

Based on different options of changeover procedure, the analyst recommended the phase conversion method, for this project; this is because cost is minimised on external operators; and as much as the new system has been developed according to specification, which entails the preparation of yearly cash IN and OUT flow

analysis, the old system need to be gradually phased out.

4.3 DOCUMENTATION/MENU STRUCTURE/FILE MAINTENANCE

(A) DOCUMENTATION

This has to do with providing adequate information about a system in terms of its hardware and software components

Also the control objective and techniques and all transactions and significant event must be clearly documented in writing or back up hard copy. The document must be available as well as easily accessible for future examination.

(A) MENU-STRUCTURE

This is listed below as it is recorded in the program

1. Accounts codes file
2. Transactions file
3. Transactions transfer
4. Recurrent Revenue
5. Recurrent Expenditure
6. Capital Revenue
7. Capital Expenditure
8. Cash IN/OUT analysis
0. Exit

Menu-Structure is used in creating a data base file structure and in doing this three steps has to be taken i.e naming the file, determining a record structure, and entering data.

(C) FILE MAINTENANCE

This mean addition of new records and removal of absolute or erroneous ones. An essential activity of business data processing is file update and maintenance to reflect the current status e.g such as addition of a new Account code record to the Account master file and the removal of a redundant or absolute Account code record from the master file.

The example of main file maintenance menu is listed in the program as:-

1. Creation/Addition
2. Amendment/update
3. Deletion
4. Enquiry

5. Listing
0. End

4.4 LOGICAL FLOWCHART

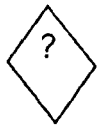
This will be drawn to give the flow of information, transactions and data.

In drawing the flow chart, the meaning of the objects to be used will be illustrated:

is for START or STOP

is for INPUT/OUTPUT or READ/WRITE

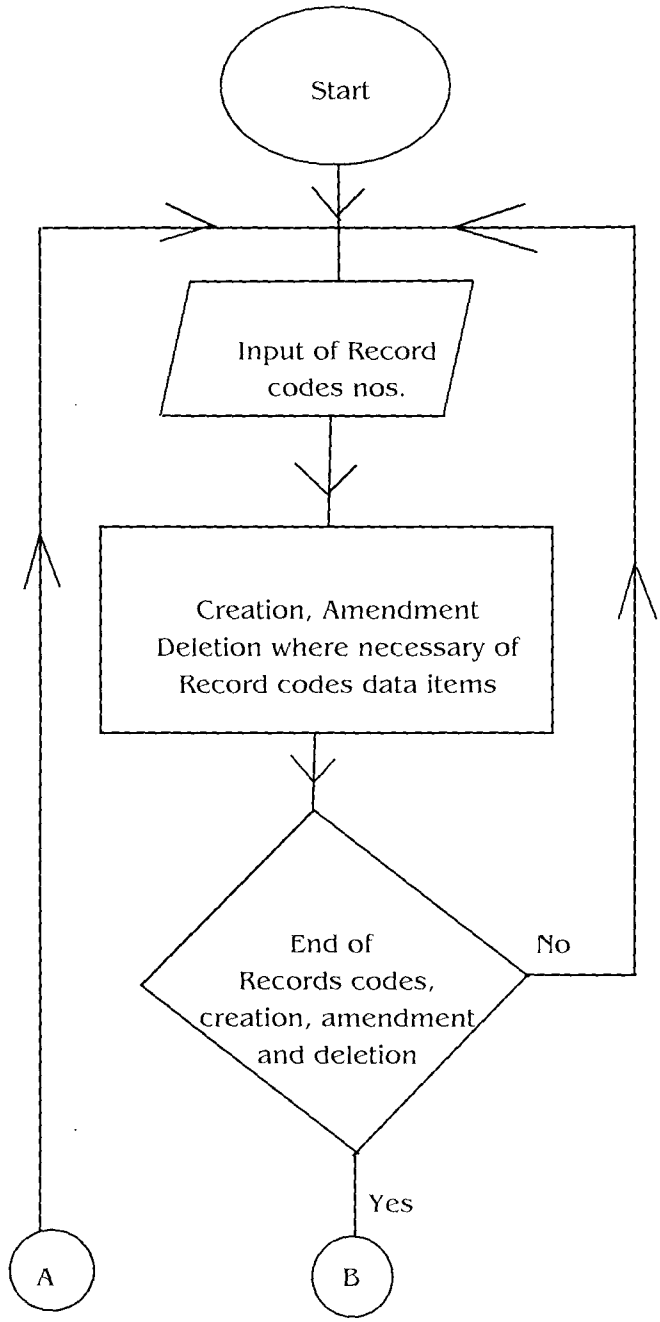
is for OPERATIONS and COMPUTATIONS

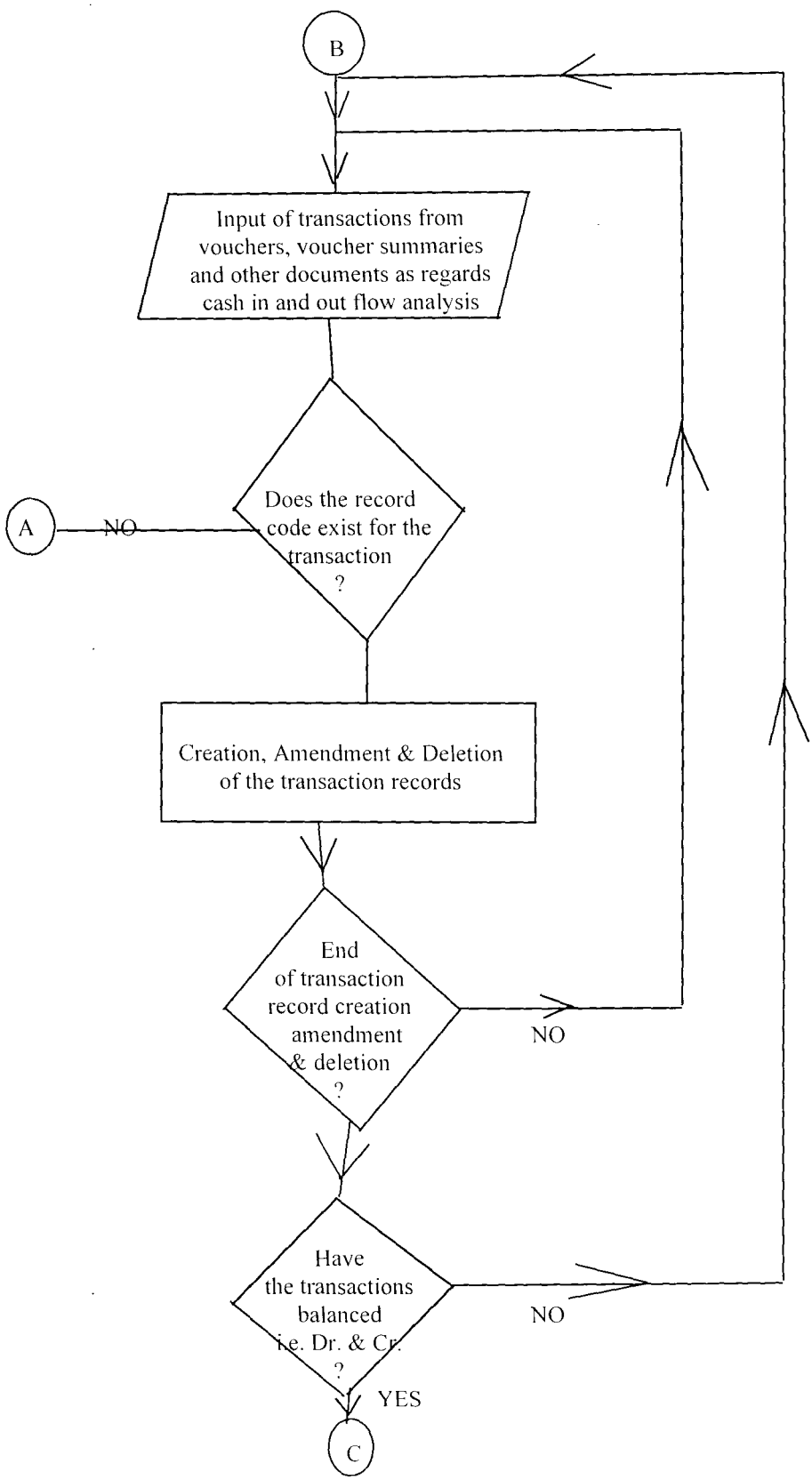


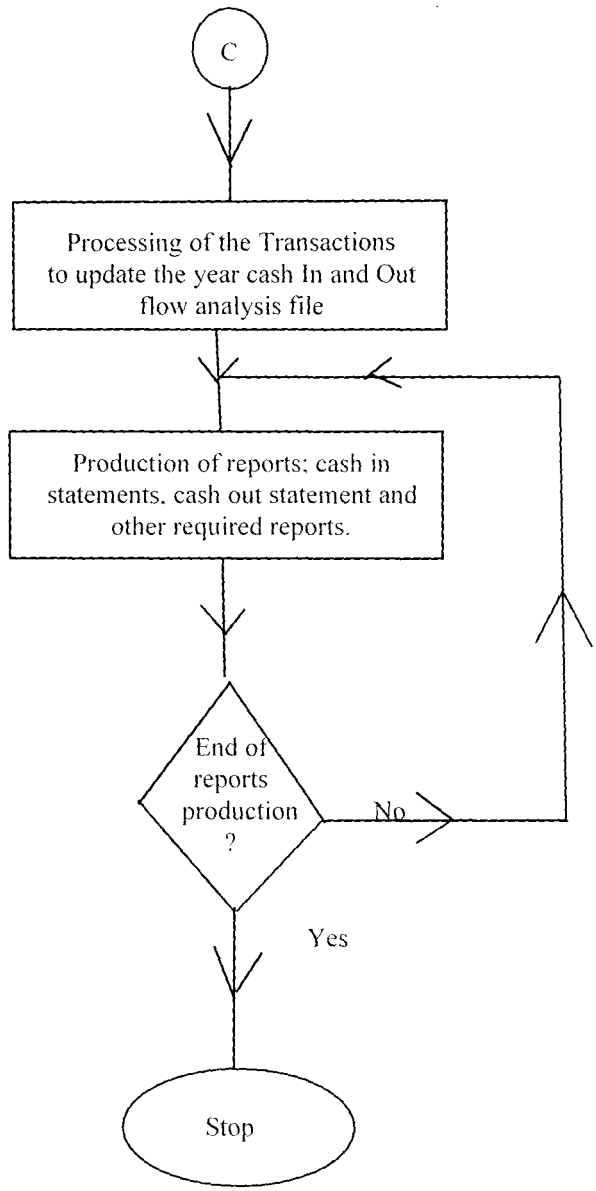
is for DECISION

is for FLOW OF INFORMATION

is for CONNECTION


Start
Input of Record codes nos.
Creation, Amendment Deletion where necessary of Record codes data items
End of Records codes, creation, amendment and deletion
No
Yes
A
B


B
Input of transactions from vouchers, voucher summaries and other documents as regards cash in and out flow analysis
Does the record code exist for the transaction ?
A
NO
Creation, Amendment & Deletion of the transaction records
End of transaction record creation amendment & deletion ?
NO
Have the transactions balanced i.e. Dr. & Cr. ?
NO
YES
C


C
Processing of the Transactions to update the year cash In and Out flow analysis file
Production of reports; cash in statements, cash out statement and other required reports.
End of reports production ?
No
Yes
Stop

4.5 PROGRAM DEVELOPMENT/PROGRAM WRITING

Program writing involve writing of sequence of instructions to perform a given task which is normally referred to as program. This program writing is to perform the task of yearly cash IN and OUT flow analysis for the Lagos State Government of Nigeria using a particular high level programming language.

Here, dBase programming language will be used to develop the programs required yearly cash IN and OUTFLOW analysis.

The program will be as follow:-

CHAPTER FIVE
SUMMARY, RECOMMENDATION AND CONCLUSION

5.0 SUMMARY

In summary therefore, one will take a total look at the entire project research work. The research work which deals with the cash In/Out flow of the Lagos State Government in other words the yearly Revenue and Expenditure of the Lagos State Government.

The general overview of the entire project research work on the cash IN/OUT flow of Lagos State Government which dealt with the objectives and the methodology of the research work where a study of cash coming into the Lagos State Government treasury and the manner in which the same cash goes out of the treasury of the Lagos State Government.

The present manual system was carefully studied to discover the merits and dis-merits of the system with a view of introducing a computerised cash In/Out flow analysis that will take care of the the lapses discovered and with a view of improving on the existing systems. The benefits of introducing computer system as a way of doing away with the present manual system was carefully examined, in order to make that, the benefits out waits the cost implication of the computerised cash In/Out flow analysis of the Lagos State Government.

A feasibility study of the system was carried out all the necessary documentation concerned.

It is an easy way of computerising the State Government Final Accounts.

5.2 CONCLUSION

There is no gain trying to emphasis the importance of computer system on our day to day activities in the modern world today. Computers have been applied in all areas of human endeavours.

Therefore the need to computerise the Logas State Government Cash In/Out flow analysis can not be over emphasised. This is due to the numerous benefits that is going to accrue from the computerisation of the system. This will lead to easy, fast access to the data regarding the cash in/out of the Lagos State Government plus other numerous benefits.

that are derived from the use of computer system.

One, therefore will conclude that despite the cost involved in acquiring the computer systems hardwares/softwares and the training of the staff members that are required in implementing the new system. The cost involved does not measure up to the merits of the new computerised system.

BIBLIOGRAPHY

1. ORILA L.S. (1992) Introduction to business data processing
Second Edition,
African publication, Ibadan.

2. HARPER W.M. (1983) Management Accounting.
Second Edition
British Publisher U.K.

3. AYO C.K. (1994) Computer Literacy Operations and Appreciation
Alanukitan Commercial Press Nig. Ltd. Egbe.

4. JACK L. S. ROBERT
(1982) Management Accounting
Second Edition,
DP Publication, England

5. SMITH ROBERT J.L.
(1986) Accounting Principle
Second Edition,
DP Publication, England

6. LUCAS H.C. (1985) The Analysis Design and Implementation System
McGraw - Hill Inc.,
New York, Second Edition

7. BALO HALIN & COMPANY
(1981) Feasibility Report on Administrative Report
unpublished report, Ibadan

```
** PRGRAM NAME: CASH.PRG
** MASTER PROGRAM
*****************************
CLEA
PUBLIC YY
YY=SPAC(5)
STOR YEAR(DATE()) TO YY
SET DATE BRITISH
SET COLO TO ,,GR+
SET COLO TO W+/B
CLEA
SET SCOR OFF
SET ESCA OFF
SET TALK OFF
SET BELL OFF
SET HEAD OFF
SET MENU OFF
SET SAFE OFF
SET STAT OFF
SET ECHO OFF
PASSWD=SPAC(6)
MNAME=SPAC(25)
DATE LL=SPAC(8)
PUBLIC DDD,MMM,PPP
DDD=SPAC(9)
MMM=SPAC(9)
PPP=SPAC(6)
PUBLIC DD2,DP0,DP1
OKK=" "
DDO=" "
OK=" "
CLEA
SET COLO TO W+/R
@ 5,20 SAY "                                          "
@ 6,20 SAY "   LAGOS STATE GOVERNMENT OF NIGERIA      "
@ 7,20 SAY "                                          "
@ 8,20 SAY "  YEARLY CASH IN / OUT FLOW  ANALYSIS     "
@ 9,20 SAY "                                          "
@ 10,20 SAY "                                          "
SET COLO TO GR+/B
@ 14,25 SAY "Written by:"
SET COLO TO W+/B
@ 15,25 SAY "Miss Justina Nwodika"
@ 16,25 SAY "Federal University of Technology"
@ 17,25 SAY "Bosso Road"
@ 18,25 SAY "Minna."
@ 21,0
SET COLO TO GR+/B*
WAIT SPAC(20)+"Press any key to continue ..."
SET COLO TO W+/B
CLEA
DD2="FUT COMPUTER UNIT* LAGOS STATE GOVERNMENT OF NIGERIA*CASH IN/OUT FLOW ANALYSIS"
DP0="LAGOS STATE GOVERNMENT OF NIGERIA * CASH IN/OUT FLOW ANALYSIS"
DP1="============================================================"
DO ACCM
CLEA ALL
SET COLO TO ,,N
SET COLO TO G
CLEA
RETURN
```

```
** PROGRAM NAME: ACCM.PRG
** MAIN MENU PROGRAM
*****************************
SET COLO TO W+/B
CLEA
SET DATE BRITISH
PRIVATE CHOCE
CHOCE=SPACE(1)
DO WHILE .T.
i=0
CHOCE=" "
11=" "
12=" "
13=" "
14=" "
15=" "
16=" "
17=" "
18=" "
SET COLO TO W+/B
CLEA
SET COLO TO RB+/W
@ 1,1 TO 3,77 DOUBLE
@ 4,1 TO 23,77 DOUBLE
SET COLO TO W+/BG
@ 6,3 TO 21,75 DOUBLE
SET COLO TO W+/R
@ 2,2 SAY "FUT COMPUTER UNIT * LAGOS STATE GOVT. OF NIGERIA *CASH IN/OUT FLOW ANALYS
SET COLO TO GR+/B
@ 08,25 SAY "1. Accounts codes File"
@ 09,25 SAY "2. Transactions File"
@ 10,25 SAY "3. Transactions Transfer"
@ 11,25 SAY "4. Recurrent Revenue"
@ 12,25 SAY "5. Recurrent Expenditure"
@ 13,25 SAY "6. Capital Revenue"
@ 14,25 SAY "7. Capital Expenditure"
@ 15,25 SAY "8. Cash In/Out Analysis"
@ 16,25 SAY "0. Exit"
SET COLO TO W+/BG
@ 5,2 SAY REPL(CHR(177),75)
@ 6,2 SAY CHR(177)
@ 7,2 SAY CHR(177)
@ 8,2 SAY CHR(177)
@ 9,2 SAY CHR(177)
@ 10,2 SAY CHR(177)
@ 11,2 SAY CHR(177)
@ 12,2 SAY CHR(177)
@ 13,2 SAY CHR(177)
@ 14,2 SAY CHR(177)
@ 15,2 SAY CHR(177)
@ 16,2 SAY CHR(177)
@ 17,2 SAY CHR(177)
@ 18,2 SAY CHR(177)
@ 19,2 SAY CHR(177)
@ 20,2 SAY CHR(177)
@ 21,2 SAY CHR(177)
@ 22,2 SAY CHR(177)
@ 5,68 SAY CHR(177)
@ 6,76 SAY CHR(177)
@ 7,76 SAY CHR(177)
```

```
@ 8,76 SAY CHR(177)
@ 9,76 SAY CHR(177)
@ 10,76 SAY CHR(177)
@ 11,76 SAY CHR(177)
@ 12,76 SAY CHR(177)
@ 13,76 SAY CHR(177)
@ 14,76 SAY CHR(177)
@ 15,76 SAY CHR(177)
@ 16,76 SAY CHR(177)
@ 17,76 SAY CHR(177)
@ 18,76 SAY CHR(177)
@ 19,76 SAY CHR(177)
@ 20,76 SAY CHR(177)
@ 21,76 SAY CHR(177)
@ 22,2 SAY REPL(CHR(177),75)
SET COLO TO W+/B
DO WHILE CHR(i) <> "1" .AND. T1 <> "2" .AND. T2 <> "3" .AND. T3 <> "4" .AND. T4 <>
i=INKEY()
@ 5,35 SAY TIME()
@ 22,35 SAY DATE()
@ 18,28 SAY "Which one ? "
CHOCE=CHR(i)
T1=CHOCE
T2=CHOCE
T3=CHOCE
T4=CHOCE
T5=CHOCE
T6=CHOCE
T7=CHOCE
T8=CHOCE
ENDDO
SET COLO TO W+/B
@ 18,40 SAY CHOCE
DO CASE
CASE CHOCE = "1"
DO ACCAC
CASE CHOCE = "2"
DO ACCTP
CASE CHOCE = "3"
DO ACCTT
CASE CHOCE = "4"
DO ACCRR
CASE CHOCE = "5"
DO ACCRB
CASE CHOCE = "6"
DO ACCCR
CASE CHOCE = "7"
DO ACCCE
CASE CHOCE = "8"
DO ACCTB
CASE CHOCE = "0"
CLEA
RETURN
ENDCASE
ENDDO
RETURN
```

```
** PROGRAM NAME: ACCAC.PRG
** MAIN FILE SUB-MENU PROGRAM
*****************************
SET ESCA OFF
SET TALK OFF
SET HEAD OFF
SET ECHO OFF
SET COLO TO W+/B
PUBLIC MBAL
MBAL=" "
DO WHILE .T.
CHOICE=" "
T1=" "
T2=" "
T3=" "
T4=" "
T5=" "
T6=" "
SET COLO TO W+/G
@ 8,58 SAY " ACCOUNTS FILE"
SET COLO TO W+/R
@ 10,58 SAY " 1. Creation "
@ 11,58 SAY " 2. Amendment"
@ 12,58 SAY " 3. Deletion "
@ 13,58 SAY " 4. Enquiry  "
@ 14,58 SAY " 5. Listing  "
@ 15,58 SAY " 0. End      "
i=0
SET COLO TO W+/G
DO WHILE CHR(i) <> "1" .AND. T1 <> "2" .AND. T2 <> "3" .AND. T3  <> "4" .AND. T4 <> '
i=INKEY()
@ 5,35 SAY TIME()
@ 17,58 SAY "WHICH ONE ?: "
CHOICE=CHR(i)
T1=CHOICE
T2=CHOICE
T3=CHOICE
T4=CHOICE
T5=CHOICE
T6=CHOICE
ENDDO
SET COLO TO W+/B
@ 17,72 SAY CHOICE
DO CASE
CASE CHOICE = "1"
DO ACCMTC
CASE CHOICE = "2"
DO ACCMTA
CASE CHOICE = "3"
DO ACCMTD
CASE CHOICE = "4"
DO ACCMTE
CASE CHOICE = "5"
DO ACCMTR
CASE CHOICE = "0"
RETURN
ENDCASE CHOICE
ENDDO
RETURN
```

```
** PROGRAM NAME: ACCMTC.PRG
** MAIN FILE CREATION/ADDITION
*******************************
SET COLO TO W+/B
CLEA
SET DATE BRITISH
KD=" "
USE ACCTCD
ZAP
CHECKING="Y"
X=0
DO WHILE UPPER(CHECKING) <> "F"
APPEND BLANK
X=X+1
BASING = .T.
MCODE=SPACE(10)
MNAME=SPACE(30)
MBAL=" "
OK=" "
DO WHILE BASING
SET COLO TO W+/B
CLEA
SET COLO TO RB+/W
@ 0,0 TO 2,79 DOUBLE
SET COLO TO W+/G
@ 1,1 SAY DD2
SET COLO TO W+/R
@ 3,55 SAY "Accounts Creation"
TT = .T.
DO WHILE TT
SET COLO TO W+/B
@ 6,0 CLEA
DO WHILE MCODE = "          " .OR. UPPER(OK) = "N"
SET COLO TO W+/B
@ 23,5 SAY "Enter PERIOD (.) to discontinue "
@ 5,0 SAY "01 Accounts Code: "
@ 5,25 GET MCODE
OK=" "
READ
TT = .F.
ENDDO
@ 23,5 SAY "                                    "
IF MCODE = "."
USE ACCOUNTS
INDEX ON ACCTCODE TO ACC
CLOSE ALL
@ 5,0 CLEA
RETURN
ENDIF
USE ACCOUNTS
INDEX ON ACCTCODE TO ACC
USE ACCOUNTS INDEX ACC
GO TOP
SEEK MCODE
IF FOUND()
SET COLO TO W+/R
@ 18,5 SAY "RECORD DUPLICATED  "
SET COLO TO W+/B
@ 19,1 SAY ""
WAIT SPAC(5)+"Press any key for new code"
```

```
CLOSE ALL
OK="N"
IT = .T.
ENDIF
ENDDO
USE ACCTCD
SET COLO TO W+/B
REPL ACCTCODE WITH MCODE
@ 6,0 SAY "02 Accounts Name:"
@ 7,0 SAY "03 Monthly Dr:"
@ 8,0 SAY "04 Monthly Cr:"
@ 9,0 SAY "05 Cummulative Dr:"
@ 10,0 SAY "06 Cummulative Cr:"
@ 11,0 SAY "07 Budget(Estimate) Dr:"
@ 12,0 SAY "08 Budget(Estimate) Cr:"
@ 13,0 SAY "09 Date Created:"
REPL DATE C WITH DATE()
@ 6,25 GET ACCTNAME
@ 7,25 GET OPEN DR
@ 8,25 GET OPEN CR
@ 9,25 GET CUMM DR
@ 10,25 GET CUMM CR
@ 11,25 GET BUDG DR
@ 12,25 GET BUDG CR
@ 13,25 GET DATE C
READ
OK=" "
DO WHILE .NOT. OK$"YyNn"
@ 15,15 SAY "ALL CORRECT ? (Y/N): "
@ 15,36 GET OK
READ
ENDDO
IF UPPER(OK) = "N"
BASING = .T.
ELSE
BASING = .F.
CHECKING="F"
OKY=" "
DO WHILE .NOT. OKY$"YyNn"
@ 17,15 SAY "                                    "
@ 17,15 SAY "END OF CREATION ?(Y/N) "
@ 17,38 GET OKY
READ
ENDDO
IF UPPER(OKY) = "Y"
CHECKING="F"
ELSE
CHECKING="Y"
ENDIF
ENDIF
ENDDO BASING
USE ACCOUNTS
APPEND FROM ACCTCD
USE ACCTCD
ZAP
ENDDO CHECKING
USE ACCOUNTS
INDEX ON ACCTCODE TO ACC
CLOSE ALL
SET COLO TO W+/B
```

```
accmic.prg 22/10/98

@ 5,0 CLEA
RETURN
```

```
** PROGRAM NAME: ACCMTA.PRG
** MAIN FILE AMENDMENT/UPDATE PROGRAM
*************************************
SET COLO TO W+/B
CLEA
SET DATE BRITISH
USE ACCOUNTS
CHECKING="Y"
A=0
DO WHILE UPPER(CHECKING) <> "F"
BASING = .T.
MCODE=SPACE(10)
MNAME=SPACE(30)
MAL=" "
OK=" "
SET COLO TO W+/B
CLEA
SET COLO TO RB+/W
@ 0,0 TO 2,79 DOUBLE
SET COLO TO W+/G
@ 1,1 SAY DD2
SET COLO TO W+/R
@ 3,55 SAY "Accounts Amendment"
TT = .T.
DO WHILE TT
SET COLO TO W+/B
@ 6,0 CLEA
DO WHILE MCODE = "          " .OR. UPPER(OK) = "N"
SET COLOR TO W+/B
@ 23,5 SAY "Enter PERIOD (.) to discontinue "
@ 5,0 SAY "01 Accounts Code:  "
@ 5,25 GET MCODE
OK=" "
READ
TT = .F.
ENDDO
@ 23,5 SAY "                                    "
IF MCODE = "."
CLOSE ALL
@ 5,0 CLEA
RETURN
ENDIF
USE ACCOUNTS INDEX ACC
SEEK MCODE
IF FOUND()
DO WHILE BASING
SET COLO TO W+/B
CLEA
SET COLO TO RB+/W
@ 0,0 TO 2,79 DOUBLE
SET COLO TO W+/G
@ 1,1 SAY DD2
SET COLO TO W+/R
@ 3,55 SAY "Accounts Amendment"
SET COLO TO W+/B
@ 5,0 SAY "01 Accounts Code: "
@ 6,0 SAY "02 Accounts Name:"
@ 7,0 SAY "03 Monthly Dr:"
@ 8,0 SAY "04 Monthly Cr:"
@ 9,0 SAY "05 Cummulative Dr:"
```

```
@ 10,0 SAY "06 Cummulative Cr:"
@ 11,0 SAY "07 Budget(Estimate) Dr:"
@ 12,0 SAY "08 Budget(Estimate) Cr:"
@ 13,0 SAY "09 Date Created:"
@ 5,25 SAY ACCTCODE
@ 6,25 GET ACCTNAME
@ 7,25 GET OPEN DR
@ 8,25 GET OPEN CR
@ 9,25 GET CUMM DR
@ 10,25 GET CUMM CR
@ 11,25 GET BUDG DR
@ 12,25 GET BUDG CR
@ 13,25 GET DATE C
READ
OK=" "
DO WHILE .NOT. OK$"YyNn"
@ 15,15 SAY "ALL CORRECT ? (Y/N): "
@ 15,36 GET OK
READ
ENDDO
IF UPPER(OK) = "N"
BASING = .T.
ELSE
BASING = .F.
CHECKING="F"
ENDIF
ENDDO BASING
ELSE
SET COLO TO W+/R
@ 20,5 SAY "ACCOUNTS RECORD NOT FOUND: "
SET COLO TO W+/B
@ 21,1 SAY ""
WAIT
CLOSE ALL
OK="N"
II = .T.
ENDIF
ENDDO
OKY=" "
DO WHILE .NOT. OKY$"YyNn"
@ 17,15 SAY "END OF AMENDMENT ?(Y/N) "
@ 17,39 GET OKY
READ
ENDDO
IF UPPER(OKY) = "Y"
CHECKING="F"
ELSE
CHECKING="Y"
ENDIF
ENDDO CHECKING
CLOSE ALL
SET COLO TO W+/B
@ 5,0 CLEA
RETURN
```

```
** PROGRAM NAME: ACCMTD.PRG
** MAIN FILE DELETION PROGRAM
*****************************
SET COLO TO W+/B
CLEA
SET DATE BRITISH
USE ACCOUNTS
CHECKING="Y"
X=0
DO WHILE UPPER(CHECKING) <> "F"
X=0
BASING = .T.
MCODE=SPAC(10)
MNAME=SPAC(30)
MBAL=" "
OK=" "
SET COLO TO W+/B
CLEA
SET COLO TO RB+/W
@ 0,0 TO 2,79 DOUBLE
SET COLO TO W+/G
@ 1,1 SAY DD2
SET COLO TO W+/R
@ 3,55 SAY "Accounts Deletion"
TT = .T.
DO WHILE TT
SET COLO TO W+/B
@ 6,0 CLEA
DO WHILE MCODE = "          " .OR. UPPER(OK) = "N"
SET COLO TO W+/B
@ 23,5 SAY "Enter PERIOD (.) to discontinue "
@ 5,0 SAY "01 Accounts Code:  "
@ 5,25 GET MCODE
OK=" "
READ
TT = .F.
ENDDO
@ 23,5 SAY "                                        "
IF MCODE = "."
USE ACCOUNTS
INDEX ON ACCTCODE TO ACC
CLOSE ALL
@ 5,0 CLEA
RETURN
ENDIF
X=0
USE ACCOUNTS
GO TOP
DO WHILE .NOT. EOF()
X=X+1
IF DELETED() .OR. ACCTCODE = "          "
SKIP
ELSE
IF ACCTCODE = MCODE
DO WHILE BASING
SET COLO TO W+/B
CLEAR
SET COLO TO RB+/W
@ 0,0 TO 2,79 DOUBLE
SET COLO TO W+/G
```

```
@ 1,1 SAY DD2
SET COLO TO W+/R
@ 3,55 SAY "Accounts Deletion"
SET COLO TO W+/B
@ 5,0 SAY "01 Accounts Code:"
@ 6,0 SAY "02 Accounts Name:"
@ 7,0 SAY "03 Monthly Dr:"
@ 8,0 SAY "04 Monthly Cr:"
@ 9,0 SAY "05 Cummulative Dr:"
@ 10,0 SAY "06 Cummulative Cr:"
@ 11,0 SAY "07 Budget(Estimate) Dr:"
@ 12,0 SAY "08 Budget(Estimate) Cr:"
@ 13,0 SAY "09 Date Created:"
@ 5,25 GET ACCTCODE
@ 6,25 GET ACCTNAME
@ 7,25 GET OPEN DR
@ 8,25 GET OPEN CR
@ 9,25 GET CUMM DR
@ 10,25 GET CUMM CR
@ 11,25 GET BUDG DR
@ 12,25 GET BUDG CR
@ 13,25 GET DATE C
OK=" "
DO WHILE .NOT. OK$"YyNn"
@ 14,0 SAY ""
WAIT "RECORD TO BE DELETED ? (Y/N): " TO OK
ENDDO
IF UPPER(OK) = "N"
BASING = .F.
USE
USE ITEMS RECORD X
PACK
BASING = .F.
CHECKING = "F"
ENDIF
ENDDO BASING
GO BOTTOM
SKIP
USE
SKIP
IF EOF()
SET COLO TO W+/R
@ 20,5 SAY "ACCOUNTS RECORD NOT FOUND:"
SET COLO TO W+/B
@ 21,1 SAY ""
WAIT
CLOSE ALL
OK="X"
II = .T.
ENDIF
ENDIF
ENDIF
ENDDO
ENDDO
OKY=" "
DO WHILE .NOT. OKY$"YyNn"
@ 16,0 SAY ""
WAIT "END OF RECORD DELETION ?(Y/N) " TO OKY
ENDDO
IF UPPER(OKY) = "Y"
```

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```
CHECKING="F"
ELSE
CHECKING="Y"
ENDIT
ENDDO CHECKING
USE ACCOUNTS
INDEX ON ACCTCODE TO ACC
CLOSE ALL
SET COLO TO W+/B
@ 5,0 CLEA
RETURN
```

```
** PROGRAM NAME: ACCMIE.PRG
** MAIN FILE ENQUIRY PROGRAM
*****************************
SET COLO TO W+/B
CLEA
SET DATE BRITISH
USE ACCOUNTS
CHECKING="Y"
X=0
DO WHILE UPPER(CHECKING) <> "F"
BASING = .T.
MCODE=SPAC(10)
MNAME=SPAC(30)
MBAL=" "
OK=" "
SET COLO TO W+/B
CLEA
SET COLO TO RB+/W
@ 0,0 TO 2,79 DOUBLE
SET COLO TO W+/G
@ 1,1 SAY DD2
SET COLO TO W+/R
@ 3,55 SAY "Accounts Enquiry"
TT = .T.
DO WHILE TT
SET COLO TO W+/B
@ 6,0 CLEA
DO WHILE MCODE = "          " .OR. UPPER(OK) = "N"
SET COLO TO W+/B
@ 23,5 SAY "Enter PERIOD (.) to discontinue "
@ 5,0 SAY "01 Accounts Code:  "
@ 5,25 GET MCODE
OK = " "
READ
TT = .F.
ENDDO
@ 23,5 SAY "                                        "
IF MCODE = "."
CLOSE ALL
@ 5,0 CLEA
RETURN
ENDIF
USE ACCOUNTS INDEX ACC
SEEK MCODE
IF ACC1CODE = MCODE
DO WHILE BASING
SET COLO TO W+/B
CLEA
SET COLO TO RB+/W
@ 0,0 TO 2,79 DOUBLE
SET COLO TO W+/G
@ 1,1 SAY DD2
SET COLO TO W+/R
@ 3,55 SAY "Accounts Enquiry"
SET COLO TO W+/B
@ 5,0 SAY "01 Accounts Code:"
@ 6,0 SAY "02 Accounts Name:"
@ 7,0 SAY "03 Monthly Dr:"
@ 8,0 SAY "04 Monthly Cr:"
@ 9,0 SAY "05 Cummulative Dr:"
```

```
@ 10,0 SAY "06 Cummulative Cr:"
@ 11,0 SAY "07 Budget(Estimate) Dr:"
@ 12,0 SAY "08 Budget(Estimate) Cr:"
@ 13,0 SAY "09 Date Created:"
@ 5,25 GET ACCTCODE
@ 6,25 GET ACCTNAME
@ 7,25 GET OPEN DR
@ 8,25 GET OPEN CR
@ 9,25 GET CUMM DR
@ 10,25 GET CUMM CR
@ 11,25 GET BUDG DR
@ 12,25 GET BUDG CR
@ 13,25 GET DATE C
OK=" "
@ 14,0 SAY ""
WAIT SPACE(15)+ "Press any key to continue "
BASING = .F.
CHECKING="F"
ENDDO BASING
ELSE
SET COLO TO W+/R
@ 20,5 SAY "ACCOUNTS RECORD NOT FOUND:"
SET COLO TO W+/B
@ 21,1 SAY ""
WAIT
CLOSE ALL
OK="N"
IT = .T.
ENDIF
ENDDO
OKY=" "
DO WHILE .NOT. OKY$"YyNn"
@ 16,0 SAY ""
WAIT SPACE(15)+"END OF ENQUIRY ?(Y/N) " TO OKY
ENDDO
IF UPPER(OKY) = "Y"
CHECKING="F"
ELSE
CHECKING="Y"
ENDIF
ENDDO CHECKING
CLOSE ALL
SET COLO TO W+/B
@ 5,0 CLEA
RETURN
```

```
** PROGRAM NAME: ACCMTR.PRG
** MAIN FILE LISTING PROGRAM
*****************************
SET COLO TO W+/B
OK=" "
CLEA
TTQ1=SPAC(10)
TTQ2=SPAC(10)
TTQ2="ZZZZZZZZZZ"
QDR=0
QCR=0
DO ACCDATE
SET COLO TO RB+/W
@ 0,0 TO 2,79 DOUBLE
SET COLO TO W+/G
@ 1,1 SAY DD2
SET COLO TO W+/R
@ 3,55 SAY "Accounts Report"
SET COLO TO W+/B
@ 8,12 SAY "Enter the correct range of Accounts Code to be printed/Displayed"
@ 12,20 SAY "From Accounts Code: "
@ 12,42 GET TTQ1
@ 14,20 SAY "To Accounts Code: "
@ 14,42 GET TTQ2
@ 16,20 SAY "Press Any key for Display/ Return to Print : "
@ 16,65 GET OK
READ
IF TTQ2 = "          "
CLEA
RETURN
ENDIF
SET ESCA OFF
SET TALK OFF
SET CENT ON
RLINE=0
CLINE=0
PAGEN=0
PG1=0
P1=0
P11=0
P2=0
TTQ=" "
USE ACCOUNTS
INDEX ON ACCTCODE TO ACC
USE ACCOUNTS INDEX ACC
GO TOP
IF OK = " "
@ 15,0 CLEA
@ 15,26 SAY "ACCOUNTS LISTING IN PROGRESS"
RLINE=1
CLINE=3
P1=2
P11=1
SET DEVICE TO PRINT
ELSE
P1=1
CLEA
ENDIF
IF TTQ1 <> "          "
SEEK TTQ1
```

```
IF EOF()
GO TOP
DO WHILE .NOT. EOF()
IF ACCTCODE > TTQ1
TTQ1=ACCTCODE
GO BOTTOM
ENDIF
SKIP
ENDDO
GO TOP
SEEK TTQ1
ENDIF
ENDIF
DO WHILE .NOT. EOF()
IF DELETED()
SKIP
ELSE
STORE PG1+1 TO PG1
IF PG1 = 1
STORE PAGEN+1 TO PAGEN
IF OK <> " " .OR. PAGEN = 1
@ RLINE,CLINE+5 SAY DP0
@ RLINE+1,CLINE+5 SAY DP1
@ RLINE+2,CLINE+21 SAY "ACCOUNTS FILE REPORT LISTING"
@ RLINE+3,CLINE+21 SAY "============================"
STORE RLINE+3 TO RLINE
ENDIF
@ RLINE+1,CLINE+68 SAY "Page" + STR(PAGEN,3)
@ RLINE+1,CLINE+38 SAY RTRIM(DDD) +", "+ RTRIM(MMM) +" "+ LTRIM(STR(DAY(DATE()),2))+'
@ RLINE+3,CLINE SAY "ACCOUNTS CODE"+"    "+"ACCOUNTS NAME"+SPAC(20)+"    DEBIT(=N=)"+"
@ RLINE+4,CLINE SAY "============"+"    "+"============"+SPAC(20)+"    ==========="+"
STORE RLINE+4 TO RLINE
ENDIF
IF OK <> " "
@ 2,60 SAY "Time "+TIME()
STORE P2+1 TO P2
@ 3,3 SAY "Total = "+STR(P2,4)
ENDIF
STORE RLINE+P1 TO RLINE
@ RLINE,CLINE+1 SAY ACCTCODE+"      "+ACCTNAME+"    "+STR(CUMM DR,13,2)+"  "+STR(CUMM
STORE QDR+CUMM DR TO QDR
STORE QCR+CUMM CR TO QCR
IF OK = " "
IF RLINE > 54
PG1=0
RLINE=2
ENDIF
ELSE
IF PG1 > 12
PG1=0
@ RLINE+1,CLINE SAY ""
WAIT
CLEA
RLINE=0
CLINE=0
ENDIF
ENDIF
SKIP
ENDIF
IF ACCTCODE > TTQ2
```

```
GO BOTT
SKIP
ENDIF
ENDDO
@ RLINE+1,CLINE SAY SPAC(49)+"-------------"+"  "+"-------------"
@ RLINE+2,CLINE SAY SPAC(49)+STR(QDR,13,2)+"  "+STR(QCR,13,2)
@ RLINE+3,CLINE SAY SPAC(49)+"============="+"  "+"============="
IF OK = " "
EJECT
SET DEVICE TO SCREEN
ELSE
@ RLINE+1,CLINE SAY ""
WAIT
SET COLO TO W+/B
CLEA
ENDIF
SET CENT OFF
CLOSE ALL
SET COLO TO W+/B
CLEA
SET COLO TO RB+/W
@ 0,0 TO 2,79 DOUB
SET COLO TO W+/G
@ 1,1 SAY DD2
SET COLO TO W+/R
@ 3,55 SAY "Report Listing"
SET COLO TO W+/B
RETURN
```

```
** PROGRAM NAME: ACCTF.PRG
** TRANSACTIONS SUB-MENU PROGRAM
*********************************
SET ESCA OFF
SET TALK OFF
SET HEAD OFF
SET ECHO OFF
SET COLO TO W+/B
PUBLIC MBAL
MBAL=" "
DO WHILE .T.
CHOICE=" "
T1=" "
T2=" "
T3=" "
T4=" "
T5=" "
T6=" "
SET COLO TO W+/G
@ 8,58 SAY " TRANS. FILE"
SET COLO TO W+/R
@ 10,58 SAY " 1. Creation "
@ 11,58 SAY " 2. Amendment"
@ 12,58 SAY " 3. Deletion "
@ 13,58 SAY " 4. Enquiry  "
@ 14,58 SAY " 5. Listing  "
@ 15,58 SAY " 0. End      "
i=0
SET COLO TO W+/G
DO WHILE CHR(i) <> "1" .AND. T1 <> "2" .AND. T2 <> "3" .AND. T3  <> "4" .AND. T4 <> "
i=INKEY()
@ 5,35 SAY TIME()
@ 17,58 SAY "WHICH ONE ?: "
CHOICE=CHR(i)
T1=CHOICE
T2=CHOICE
T3=CHOICE
T4=CHOICE
T5=CHOICE
T6=CHOICE
ENDDO
SET COLO TO W+/B
@ 17,72 SAY CHOICE
DO CASE
CASE CHOICE = "1"
DO ACCTFC
CASE CHOICE = "2"
DO ACCTFA
CASE CHOICE = "3"
DO ACCTFD
CASE CHOICE = "4"
DO ACCTFE
CASE CHOICE = "5"
DO ACCTFR
CASE CHOICE = "0"
RETURN
ENDCASE CHOICE
ENDDO
RETURN
```

```
** PROGRAM NAME: ACCTFC.PRG
** TRANSACTIONS CREATION PROGRAM
*********************************
SET COLO TO W+/B
CLEA
SET DATE BRITISH
KD=" "
USE TRANCD
ZAP
CHECKING="Y"
X=0
DO WHILE UPPER(CHECKING) <> "F"
APPEND BLANK
X=X+1
BASING = .T.
TCODE=SPAC(6)
MCODE=SPAC(10)
MNAME=SPAC(30)
MBAL=" "
OK=" "
DO WHILE BASING
SET COLO TO W+/B
CLEA
SET COLO TO RB+/W
@ 0.0 TO 2.79 DOUBLE
SET COLO TO W+/G
@ 1.1 SAY DD2
SET COLO TO W+/R
@ 3.55 SAY "Transactions Creation"
TT = .T.
DO WHILE TT
SET COLO TO W+/B
@ 6.0 CLEA
DO WHILE TCODE = "      " .OR. UPPER(OK) = "N"
SET COLO TO W+/B
@ 23.5 SAY "Enter PERIOD (.) to discontinue "
@ 5.0 SAY "01 Trans. Code: "
@ 5.25 GET TCODE
OK=" "
READ
TT = .F.
ENDDO
@ 23.5 SAY "                                    "
IF TCODE = "."
USE TRANS
INDEX ON TRANCODE TO TRN
CLOSE ALL
@ 5.0 CLEA
RETURN
ENDIF
USE TRANS
INDEX ON TRANCODE TO TRN
USE TRANS INDEX TRN
GO TOP
SEEK TCODE
IF FOUND()
SET COLO TO W+/R
@ 18.5 SAY "RECORD DUPLICATED:"
SET COLO TO W+/B
@ 19.1 SAY ""
```

```
WAIT SPAC(5)+"Press any key for new code"
CLOSE ALL
OK="N"
IF = .T.
ENDIF
IF OK <> "N"
@ 6,0 SAY "02 Accounts Code:"
@ 6,25 GET MCODE
READ
USE ACCOUNTS INDEX ACC
GO TOP
SEEK MCODE
IF FOUND()
STORE ACCTNAME TO MNAME
ELSE
SET COLO TO W+/R
@ 18,5 SAY "ACCOUNT NOT FOUND:"
SET COLO TO W+/B
@ 19,1 SAY "" '
WAIT SPAC(5)+"Press any key to continue  "
CLOSE ALL
OK="N"
IF = .T.
ENDIF
ENDIF
ENDDO
USE TRANCD
SET COLO TO W+/B
REPL TRANCODE WITH TCODE
REPL ACCTCODE WITH MCODE
REPL ACCTNAME WITH MNAME
@ 6,0 SAY "02 Accounts Code:"
@ 7,0 SAY "03 Accounts Name:"
@ 8,0 SAY "04 Debit(=N=):"
@ 9,0 SAY "05 Credit(=N=):"
@ 10,0 SAY "06 Trans Description:"
@ 11,0 SAY "07 Trans Date:"
@ 6,25 SAY ACCTCODE
@ 7,25 SAY ACCTNAME
@ 8,25 GET DEBIT
@ 9,25 GET CREDIT
@ 10,25 GET DESCPTN
@ 11,25 GET TRANDATE
READ
OK=" "
DO WHILE .NOT. OK$"YyNn"
@ 13,15 SAY "ALL CORRECT ? (Y/N): "
@ 13,36 GET OK
READ
ENDDO
IF UPPER(OK) = "N"
BASING = .T.
ELSE
BASING = .F.
CHECKING="F"
OKY=" "
DO WHILE .NOT. OKY$"YyNn"
@ 15,15 SAY "END OF CREATION ?(Y/N) "
@ 15,38 GET OKY
READ
```

```
ENDDO
IF UPPER(OKY) = "Y"
CHECKING="F"
ELSE
CHECKING="Y"
ENDIF
ENDIF
ENDDO BASING
USE TRANS
APPEND FROM TRANCD
USE TRANCD
ZAP
ENDDO CHECKING
USE TRANS
INDEX ON TRANCODE TO TRN
CLOSE ALL
SET COLO TO W+/B
@ 5,0 CLEA
RETURN
```

```
** PROGRAM NAME: ACCTFA.PRG
** TRANSACTIONS AMENDMENT PROGRAM
***********************************
SET COLO TO W+/B
CLEA
SET DATE BRITISH
USE TRANS
CHECKING="Y"
X=0
DO WHILE UPPER(CHECKING) <> "F"
BASING = .T.
TCODE=SPAC(6)
MCODE=SPAC(10)
NCODE=SPAC(10)
MNAME=SPAC(30)
MBAL=" "
OK=" "
SET COLO TO W+/B
CLEA
SET COLO TO RB+/W
@ 0,0 TO 2,79 DOUBLE
SET COLO TO W+/G
@ 1,1 SAY DD2
SET COLO TO W+/R
@ 3,55 SAY "Transactions Amendment"
TT = .T.
DO WHILE TT
SET COLO TO W+/B
@ 6,0 CLEA
DO WHILE TCODE = "      " .OR. UPPER(OK) = "N"
SET COLO TO W+/B
@ 23,5 SAY "Enter PERIOD (.) to discontinue "
@ 5,0 SAY "01 Trans. Code:"
@ 5,25 GET TCODE
OK=" "
READ
TT = .F.
ENDDO
@ 23,5 SAY "                                    "
IF TCODE = "."
CLOSE ALL
@ 5,0 CLEA
RETURN
ENDIF
USE TRANS INDEX TRN
SEEK TCODE
IF FOUND()
*STORE ACCTCODE TO MCODE
DO WHILE BASING
SET COLO TO W+/B
CLEA
SET COLO TO RB+/W
@ 0,0 TO 2,79 DOUB
SET COLO TO W+/G
@ 1,1 SAY DD2
SET COLO TO W+/R
@ 3,55 SAY "Transactions Amendment"
SET COLO TO W+/B
@ 5,0 SAY "01 Trans. Code:"
@ 6,0 SAY "02 Accounts Code:"
```

```
@ 7.0 SAY "03 Accounts Name:"
@ 8.0 SAY "04 Debit(=N=):"
@ 9.0 SAY "05 Credit(=N=):"
@ 10.0 SAY "06 Trans Description:"
@ 11.0 SAY "07 Trans Date:"
@ 5,25 SAY TRANCODE
@ 6,25 SAY ACCTCODE
@ 7,25 SAY ACCTNAME
@ 8,25 GET DEBIT
@ 9,25 GET CREDIT
@ 10,25 GET DESCPTN
@ 11,25 GET TRANDATE
READ
*STORE ACCTCODE TO NCODE
OK=" "
DO WHILE .NOT. OK$"YyNn"
@ 13,15 SAY "ALL CORRECT ? (Y/N): "
@ 13,36 GET OK
READ
ENDDO
IF UPPER(OK) = "N"
BASING = .T.
ELSE
BASING = .F.
CHECKING="F"
ENDIF
ENDDO BASING
ELSE
SET COLO TO W+/R
@ 20,5 SAY "Trans. Code not found: "
SET COLO TO W+/B
@ 21,1 SAY ""
WAIT
CLOSE ALL
ok="N"
IF = .T.
ENDIF
ENDDO
OKY=" "
DO WHILE .NOT. OKY$"YyNn"
@ 15,15 SAY "END OF AMENDMENT ?(Y/N) "
@ 15,39 GET OKY
READ
ENDDO
IF UPPER(OKY) = "Y"
CHECKING="F"
ELSE
CHECKING="Y"
ENDIF
ENDDO CHECKING
CLOSE ALL
SET COLO TO W+/B
@ 5,0 CLEA
RETURN
```

```
** PROGRAM NAME: ACCTFD.PRG
** TRANSACTIONS DELETION PROGRAM
*********************************
SET COLO TO W+/B
CLEA
SET DATE BRITISH
USE TRANS
CHECKING="Y"
X=0
DO WHILE UPPER(CHECKING) <> "F"
X=0
BASING = .T.
TCODE=SPAC(6)
MCODE=SPAC(10)
MNAME=SPAC(30)
MBAL=" "
OK=" "
SET COLO TO W+/B
CLEA
SET COLO TO RB+/W
@ 0,0 TO 2,79 DOUBLE
SET COLO TO W+/G
@ 1,1 SAY DD2
SET COLO TO W+/R
@ 3,55 SAY "Transactions Deletion"
TT = .T.
DO WHILE TT
SET COLO TO W+/B
@ 6,0 CLEA
DO WHILE TCODE = "      " .OR. UPPER(OK) = "N"
SET COLO TO W+/B
@ 23,5 SAY "Enter PERIOD (.) to discontinue "
@ 5,0 SAY "01 Trans. Code:"
@ 5,25 GET TCODE
OK=" "
READ
TT = .F.
ENDDO
@ 23,5 SAY "                                    "
IF TCODE = "."
USE TRANS
INDEX ON TRANCODE TO TRN
CLOSE ALL
@ 5,0 CLEA
RETURN
ENDIF
X=0
USE TRANS
GO TOP
DO WHILE .NOT. EOF()
X=X+1
IF DELETED() .OR. TRANCODE = "      "
SKIP
LOOP
ENDIF
IF TRANCODE = TCODE
DO WHILE BASING
SET COLO TO W+/B
CLEA
SET COLO TO RB+/W
@ 0,0 TO 2,79 DOUBLE
```

```
SET COLO TO W+/G
@ 1,1 SAY DD2
SET COLO TO W+/R
@ 3,55 SAY "Transactions Deletion"
SET COLO TO W+/B
@ 5,0 SAY "01 Trans. Code:"
@ 6,0 SAY "02 Accounts Code:"
@ 7,0 SAY "03 Accounts Name:"
@ 8,0 SAY "04 Debit(=N=):"
@ 9,0 SAY "05 Credit(=N=):"
@ 10,0 SAY "06 Trans Description:"
@ 11,0 SAY "07 Trans Date:"
@ 5,25 GET TRANCODE
@ 6,25 GET ACCTCODE
@ 7,25 GET ACCTNAME
@ 8,25 GET DEBIT
@ 9,25 GET CREDIT
@ 10,25 GET DESCPTN
@ 11,25 GET TRANDATE
OK=" "
DO WHILE .NOT. OK$"YyNn"
@ 13,0 SAY ""
WAIT "RECORD TO BE DELETED ? (Y/N): " TO OK
ENDDO
IF UPPER(OK) = "N"
BASING = .F.
ELSE
DELETE RECORD X
PACK
BASING = .F.
CHECKING = "F"
ENDIF
ENDDO BASING
GO BOTT
SKIP
ELSE
SKIP
IF EOF()
SET COLO TO W+/R
@ 20,5 SAY "TRANS CODE RECORD NOT FOUND:"
SET COLO TO W+/B
@ 21,1 SAY ""
WAIT
CLEAR ALL
OK="N"
II = .F.
ENDIF
ENDIF
ENDIF
ENDDO
ENDDO
OKY=" "
DO WHILE .NOT. OKY$"YyNn"
@ 14,0 SAY ""
WAIT "END OF RECORD DELETION ?(Y/N) " TO OKY
ENDDO
IF UPPER(OKY) = "Y"
CHECKING="F"
ELSE
CHECKING="Y"
```

```
ENDIF
ENDDO CHECKING
USE TRANS
INDEX ON TRANCODE TO TRN
CLOSE ALL
SET COLO TO W+/B
@ 5.0 CLEA
RETURN
```

```
** PROGRAM NAME: ACCTFE.PRG
** TRANSACTIONS ENQUIRY PROGRAM
*********************************
SET COLO TO W+/B
CLEA
SET DATE BRITISH
USE TRANS
CHECKING="Y"
X=0
DO WHILE UPPER(CHECKING) <> "F"
BASING = .T.
TCODE=SPAC(6)
MCODE=SPAC(10)
MNAME=SPAC(30)
MBAL=" "
OK=" "
SET COLO TO W+/B
CLEA
SET COLO TO RB+/W
@ 0,0 TO 2,79 DOUBLE
SET COLO TO W+/G
@ 1,1 SAY DD2
SET COLO TO W+/R
@ 3,55 SAY "Transactions Enquiry"
TT = .T.
DO WHILE TT
SET COLO TO W+/B
@ 6,0 CLEA
DO WHILE TCODE = "      " .OR. UPPER(OK) = "N"
SET COLO TO W+/B
@ 23,5 SAY "Enter PERIOD (.) to discontinue "
@ 5,0 SAY "01 Accounts Code:  "
@ 5,25 GET TCODE
OK=" "
READ
TT = .F.
ENDDO
@ 23,5 SAY "                                  "
IF TCODE = "."
CLOSE ALL
@ 5,0 CLEA
RETURN
ENDIF
USE TRANS INDEX TRN
SEEK TCODE
IF TRANCODE = TCODE
DO WHILE BASING
SET COLO TO W+/B
CLEA
SET COLO TO RB+/W
@ 0,0 TO 2,79 DOUBLE
SET COLO TO W+/G
@ 1,1 SAY DD2
SET COLO TO W+/R
@ 3,55 SAY "Transactions Enquiry"
SET COLO TO W+/B
@ 5,0 SAY "01 Trans. Code:"
@ 6,0 SAY "02 Accounts Code:"
@ 7,0 SAY "03 Accounts Name:"
@ 8,0 SAY "04 Debit(=N=):"
```

```
@ 9,0 SAY "05 Credit(=N=):"
@ 10,0 SAY "06 Trans Description:"
@ 11,0 SAY "07 Trans Date:"
@ 5,25 GET TRANCODE
@ 6,25 GET ACCTCODE
@ 7,25 GET ACCTNAME
@ 8,25 GET DEBITT
@ 9,25 GET CREDITT
@ 10,25 GET DESCPTN
@ 11,25 GET TRANDATE
OK=" "
@ 12,0 SAY ""
WAIT SPACE(15)+ "Press any key to continue "
BASING = .F.
CHECKING="F"
ENDDO BASING
ELSE
SET COLO TO W+/R
@ 20,5 SAY "TRANS. RECORD NOT FOUND:"
SET COLO TO W+/B
@ 21,1 SAY ""
WAIT
CLOSE ALL
OK="N"
TF = .T.
ENDIF
ENDDO
OKY=" "
DO WHILE .NOT. OKY$"YyNn"
@ 14,0 SAY ""
WAIT SPACE(15)+"END OF ENQUIRY ?(Y/N) " TO OKY
ENDDO
IF UPPER(OKY) = "Y"
CHECKING="F"
ELSE
CHECKING="Y"
ENDIF
ENDDO CHECKING
CLOSE ALL
SET COLO TO W+/B
@ 5,0 CLEA
RETURN
```

```
** PROGRAM NAME: ACCTFR.PRG
** TRANSACTIONS LISTING PROGRAM
*********************************
SET COLO TO W+/B
OK=" "
CLEA
TTQ1=SPAC(6)
TTQ2=SPAC(6)
TTQ2="ZZZZZZ"
QDR=0
QCR=0
DO ACCDATE
SET COLO TO RB+/W
@ 0,0 TO 2,79 DOUB
SET COLO TO W+/G
@ 1,1 SAY DD2
SET COLO TO W+/R
@ 3,55 SAY "Transactions Report"
SET COLO TO W+/B
@ 8,12 SAY "Enter the correct range of Trans Code to be printed/Displayed"
@ 12,20 SAY "From Trans Code: "
@ 12,42 GET TTQ1
@ 14,20 SAY "To Trans Code: "
@ 14,42 GET TTQ2
@ 16,20 SAY "Press Any key for Display/ Return to Print : "
@ 16,65 GET OK
READ
IF TTQ2 = "      "
CLEA
RETURN
ENDIF
SET ESCA OFF
SET TALK OFF
SET CENT ON
RLINE=0
PLINE=0
PAGENO=0
TQ1=0
P1=0
P11=0
P2=0
TTQ=" "
USE TRANS
INDEX ON TRANCODE TO TRN
USE TRANS INDEX TRN
GO TOP
IF OK = " "
@ 15,0 CLEA
@ 18,26 SAY "TRANSACTIONS LISTING IN PROGRESS"
RLINE=1
PLINE=3
P1=2
P11=1
SET DEVICE TO PRINT
PUSH
P1=1
CLEA
ENDIF
IF TTQ1 <> "      "
SEEK TTQ1
```

```
IF EOF()
GO TOP
DO WHILE .NOT. EOF()
IF TRANCODE > TTQ1
TTQ1=TRANCODE
GO BOTT
ENDIF
SKIP
ENDDO
GO TOP
SEEK TTQ1
ENDIF
ENDIF
DO WHILE .NOT. EOF()
IF DELETED()
SKIP
ELSE
STORE PG1+1 TO PG1
IF PG1 = 1
STORE PAGEN+1 TO PAGEN
IF OK <> " " .OR. PAGEN = 1
@ RLINE,CLINE+5 SAY DP0
@ RLINE+1,CLINE+5 SAY DP1
@ RLINE+2,CLINE+19 SAY "TRANSACTIONS FILE REPORT LISTING"
@ RLINE+3,CLINE+19 SAY "================================"
STORE RLINE+3 TO RLINE
ENDIF
@ RLINE+1,CLINE+68 SAY "Page" + STR(PAGEN,3)
@ RLINE+1,CLINE+38 SAY RTRIM(DDD) +", "+ RTRIM(MMM) +" "+ LTRIM(STR(DAY(DATE()),2))-
@ RLINE+3,CLINE SAY "TRN CD"+"  "+"ACCTS CODE"+"  "+"ACCOUNTS NAME"+SPAC(18)+"   DEI
@ RLINE+4,CLINE SAY "======"+"  "+"=========="+"  "+"============="+SPAC(18)+"   ==:
STORE RLINE+4 TO RLINE
ENDIF
IF OK <> " "
@ 2,60 SAY "Time "+TIME()
STORE P2+1 TO P2
@ 3,3 SAY "Total = "+STR(P2,4)
ENDIF
STORE RLINE+P1 TO RLINE
@ RLINE,CLINE SAY TRANCODE+"  "+ACCTCODE+"  "+ACCTNAME+" "+STR(DEBIT,13,2)+"  "+STR(
STORE QDR+DEBIT TO QDR
STORE QCR+CREDIT TO QCR
IF OK = " "
IF RLINE > 54
PG1=0
RLINE=2
ENDIF
ELSE
IF PG1 > 12
PG1=0
@ RLINE+1,CLINE SAY ""
WAIT
CLEA
RLINE=0
CLINE=0
ENDIF
ENDIF
SKIP
ENDIF
IF TRANCODE > TTQ2
```

```
GO BOTT
SKIP
ENDIF
ENDDO
@ RLINE+1,CLINE SAY SPAC(51)+"-------------"+"  "+"-------------"
@ RLINE+2,CLINE SAY SPAC(51)+STR(QDR,13,2)+"  "+STR(QCR,13,2)
@ RLINE+3,CLINE SAY SPAC(51)+"============="+"  "+"============="
IF OK = " "
EJECT
SET DEVICE TO SCREEN
ELSE
@ RLINE+1,CLINE SAY ""
WAIT
SET COLO TO W+/B
CLEA
ENDIF
SET CENT OFF
CLOSE ALL
SET COLO TO W+/B
CLEA
SET COLO TO RB+/W
@ 0,0 TO 2,79 DOUB
SET COLO TO W+/G
@ 1,1 SAY DD2
SET COLO TO W+/R
@ 3,55 SAY "Report Listing"
SET COLO TO W+/B
RETURN
```

```
** PROGRAM NAME: ACCTT.PRG
** TRANSACTIONS TRANSFER PROGRAM
*********************************
SET COLO TO W+/B
OK=" "
CLEA
TTQ1=SPACE(10)
QDR=0
QCR=0
SET COLO TO RB+/W
@ 0,0 TO 2,79 DOUBLE
SET COLO TO W+/G
@ 1,1 SAY DD2
SET COLO TO W+/R
@ 3,55 SAY "Trans Transfer"
SET COLO TO W+/B
@ 16,20 SAY "Press Any key for Display/ Return to Print : "
@ 16,65 GET OK
READ
SET ESCA OFF
SET TALK OFF
SET CENT ON
USE ACCOUNTS
INDEX ON ACCTCODE TO ACC
SELECT 1
USE TRANS
SELECT 2
USE ACCOUNTS INDEX ACC
SELECT 1
GO TOP
@ 18,26 SAY "TRANSACTIONS TRANSFER IN PROGRESS"
DO WHILE .NOT. EOF()
IF DELETED() .OR. TFR = "T"
SKIP
LOOP
ENDIF
STORE ACCTCODE TO TTQ1
STORE DEBIT TO QDR
STORE CREDIT TO QCR
SELECT 2
SEEK TTQ1
IF FOUND()
REPL CUMM DR WITH (CUMM DR+QDR)
REPL CUMM CR WITH (CUMM CR+QCR)
IF CUMM DR > CUMM CR
REPL CUMM DR WITH (CUMM DR-CUMM CR)
REPL CUMM CR WITH 0
ENDIF
IF CUMM CR > CUMM DR
REPL CUMM CR WITH (CUMM CR-CUMM DR)
REPL CUMM DR WITH 0
ENDIF
IF CUMM DR = CUMM CR
REPL CUMM DR WITH 0
REPL CUMM CR WITH 0
ENDIF
SELECT 1
REPL TFR WITH "T"
ELSE
SELECT 1
@ 22,10 SAY "ACCOUNT NOT FOUND: "+TTQ1
```

```
SKIP
ENDIF
SKIP
ENDIF
ENDDO
CLOSE ALL
SET COLO TO W+/B
CLEA
SET COLO TO RB+/W
@ 0,0 TO 2,79 DOUBLE
SET COLO TO W+/G
@ 1,1 SAY DD2
SET COLO TO W+/R
@ 3,55 SAY "Trans Transfer"
SET COLO TO W+/B
RETURN
```

```
** PROGRAM NAME: ACCRR.PRG
** RECURRENT REVENUE REPORT PROGRAM
*************************************
SET COLO TO W+/B
OK=" "
CLEA
TTQ1=SPAC(10)
TTQ2=SPAC(10)
TTQ3=SPAC(8)
TTQ2="ZZZZZZZZZZ"
QDR=0
QCR=0
DO ACCDATE
SET COLO TO RB+/W
@ 0,0 TO 2,79 DOUBLE
SET COLO TO W+/G
@ 1,1 SAY DD2
SET COLO TO W+/R
@ 3,55 SAY "Recurrent Revenue"
SET COLO TO W+/B
@ 8,12 SAY "Enter the correct range of Accounts Code to be printed/Displayed"
@ 10,20 SAY "From Accounts Code: "
@ 10,42 GET TTQ1
@ 12,20 SAY "To Accounts Code: "
@ 12,42 GET TTQ2
@ 14,20 SAY "Report Date:"
@ 14,35 GET TTQ3
@ 16,20 SAY "Press Any key for Display/ Return to Print : "
@ 16,65 GET OK
READ
IF TTQ2 = "          "
CLEA
RETURN
ENDIF
SET ESCA OFF
SET TALK OFF
SET CENT ON
RLINE=0
CLINE=0
PAGEN=0
PG1=0
P1=0
P11=0
P2=0
TTQ=" "
USE ACCOUNTS
INDEX ON ACCTCODE TO ACC
USE ACCOUNTS INDEX ACC
GO TOP
IF OK = " "
@ 15,0 CLEA
@ 18,26 SAY "RECURRENT REVENUE REPORT PRODUCTION"
RLINE=1
CLINE=3
P1=2
P11=1
SET DEVICE TO PRINT
ELSE
P1=1
CLEA
```

```
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ENDIF
IF TTQ1 <> "              "
SEEK TTQ1
IF EOF()
GO TOP
DO WHILE .NOT. EOF()
IF ACCTCODE > TTQ1
TTQ1=ACCTCODE
GO BOTTOM
ENDIF
SKIP
ENDDO
GO TOP
SEEK TTQ1
ENDIF
ENDIF
DO WHILE .NOT. EOF()
IF DELETED()
SKIP
ELSE
STORE PG1+1 TO PG1
IF PG1 = 1
STORE PAGEN+1 TO PAGEN
IF OK <> " " .OR. PAGEN = 1
@ RLINE,CLINE+5 SAY DP0
@ RLINE+1,CLINE+5 SAY DP1
@ RLINE+2,CLINE+19 SAY "RECURRENT REVENUE AS AT: "+TTQ3
@ RLINE+3,CLINE+19 SAY "==================================="
STORE RLINE+3 TO RLINE
ENDIF
@ RLINE+1,CLINE+68 SAY "Page" + STR(PAGEN,3)
@ RLINE+1,CLINE+38 SAY RTRIM(DDD) +", "+ RTRIM(MMM) +" "+ LTRIM(STR(DAY(DATE()),2))+
@ RLINE+3,CLINE SAY "ACCTS CODE"+"    "+"ACCOUNTS NAME"+SPAC(20)+"ESTIMATE(=N=)"+"
@ RLINE+4,CLINE SAY "==========="+"    "+"============="+SPAC(20)+"============="+"
STORE RLINE+4 TO RLINE
ENDIF
IF OK <> " "
@ 2,60 SAY "Time "+TIME()
STORE P2+1 TO P2
@ 3,3 SAY "Total = "+STR(P2,4)
ENDIF
DC1=0
DC2=0
DC1=BUDG CR-BUDG DR
DC2=CUMM CR-CUMM DR
STORE RLINE+P1 TO RLINE
@ RLINE,CLINE SAY ACCTCODE+"    "+ACCTNAME+"    "+STR(DC1,13,2)+"    "+STR(DC2,13,2)
STORE QDR+DC1 TO QDR
STORE QCR+DC2 TO QCR
IF OK = " "
IF RLINE > 54
PG1=0
RLINE=2
ENDIF
CLOSE
IF PG1 > 12
PG1=0
@ RLINE+1,CLINE SAY ""
WAIT
CLEA
```

```
RLINE=0
CLINE=0
ENDIF
ENDIF
SKIP
ENDIF
IF ACCTCODE > TTQ2
GO BOTT
SKIP
ENDIF
ENDDO
@ RLINE+1,CLINE SAY SPAC(46)+"--------------"+"    "+"--------------"
@ RLINE+2,CLINE SAY SPAC(46)+STR(QDR,13,2)+"    "+STR(QCR,13,2)
@ RLINE+3,CLINE SAY SPAC(46)+"=============="+"    "+"=============="
IF OK = " "
EJECT
SET DEVICE TO SCREEN
ELSE
@ RLINE+1,CLINE SAY ""
WAIT
SET COLO TO W+/B
CLEA
ENDIF
SET CENT OFF
CLOSE ALL
SET COLO TO W+/B
CLEA
SET COLO TO RB+/W
@ 0,0 TO 2,79 DOUBLE
SET COLO TO W+/G
@ 1,1 SAY DD2
SET COLO TO W+/R
@ 3,55 SAY "Report Listing"
SET COLO TO W+/B
RETURN
```

```
** PROGRAM NAME: ACCRE.PRG
** RECURRENT EXPENDITURE REPORT MENU PROGRAM
*********************************************
SET COLO TO W+/B
OK=" "
CLEA
TTQ1=SPAC(10)
TTQ2=SPAC(10)
TTQ3=SPAC(8)
TTQ2="ZZZZZZZZZZ"
QDR=0
QCR=0
DO ACCDATE
SET COLO TO RB+/W
@ 0,0 TO 2,79 DOUBLE
SET COLO TO W+/G
@ 1,1 SAY DD2
SET COLO TO W+/R
@ 3,55 SAY "Recurrent Expenditure"
SET COLO TO W+/B
@ 8,12 SAY "Enter the correct range of Accounts Code to be printed/Displayed"
@ 10,20 SAY "From Accounts Code: "
@ 10,42 GET TTQ1
@ 12,20 SAY "To Accounts Code: "
@ 12,42 GET TTQ2
@ 14,20 SAY "Report Date:"
@ 14,35 GET TTQ3
@ 16,20 SAY "Press Any key for Display/ Return to Print : "
@ 16,65 GET OK
READ
IF TTQ2 = "          "
CLEA
RETURN
ENDIF
SET ESCA OFF
SET TALK OFF
SET CENT ON
KLINE=0
CLINE=0
PAGEN=0
YG1=0
P1=0
P11=0
P2=0
TTQ=" "
USE ACCOUNTS
INDEX ON ACCTCODE TO ACC
USE ACCOUNTS INDEX ACC
GO TOP
IF OK = " "
@ 15,0 CLEA
@ 18,26 SAY "RECURRENT EXPENDITURE REPORT PRODUCTION"
KLINE=1
CLINE=3
P1=2
P11=1
SET DEVICE TO PRINT
ELSE
P1=1
CLEA
```

```
ENDIF
IF TTQ1 <> "            "
SEEK TTQ1
IF EOF()
GO TOP
DO WHILE .NOT. EOF()
IF ACCTCODE > TTQ1
TTQ1=ACCTCODE
GO BOTTOM
ENDIF
SKIP
ENDDO
GO TOP
SEEK TTQ1
ENDIF
ENDIF
DO WHILE .NOT. EOF()
IF DELETED()
SKIP
ELSE
STORE PG1+1 TO PG1
IF PG1 = 1
STORE PAGEN+1 TO PAGEN
IF OK <> " " .OR. PAGEN = 1
@ RLINE,CLINE+5 SAY DP0
@ RLINE+1,CLINE+5 SAY DP1
@ RLINE+2,CLINE+17 SAY "RECURRENT EXPENDITURE AS AT: "+TTQ3
@ RLINE+3,CLINE+17 SAY "====================================="
STORE RLINE+3 TO RLINE
ENDIF
@ RLINE+1,CLINE+68 SAY "Page" + STR(PAGEN,3)
@ RLINE+1,CLINE+38 SAY RTRIM(DDD) +", "+ RTRIM(MMM) +" "+ LTRIM(STR(DAY(DATE()),2))+
@ RLINE+3,CLINE SAY "ACCTS CODE"+"    "+"ACCOUNTS NAME"+SPAC(20)+"ESTIMATE(=N=)"+"
@ RLINE+4,CLINE SAY "==========="+"    "+"=============="+SPAC(20)+"=============="+"
STORE RLINE+4 TO RLINE
ENDIF
IF OK <> " "
@ 2,60 SAY "Time "+TIME()
STORE P2+1 TO P2
@ 3,3 SAY "Total = "+STR(P2,4)
ENDIF
DC1=0
DC2=0
DC1=BUDG DR-BUDG CR
DC2=CUMM DR-CUMM CR
STORE RLINE+P1 TO RLINE
@ RLINE,CLINE SAY ACCTCODE+"    "+ACCTNAME+"    "+STR(DC1,13,2)+"    "+STR(DC2,13,2)
STORE QDR+DC1 TO QDR
STORE QCR+DC2 TO QCR
IF OK = " "
IF RLINE > 54
PG1=0
RLINE=2
ENDIF
ELSE
IF PG1 > 12
PG1=0
@ RLINE+1,CLINE SAY ""
WAIT
CLEA
```

```
RLINE=0
CLINE=0
ENDIF
ENDIF
SKIP
ENDIF
IF ACCTCODE > TTQ2
GO BOTT
SKIP
ENDIF
ENDDO
@ RLINE+1,CLINE SAY SPAC(46)+"-------------"+"   "+"-------------"
@ RLINE+2,CLINE SAY SPAC(46)+STR(QDR,13,2)+"   "+STR(QCR,13,2)
@ RLINE+3,CLINE SAY SPAC(46)+"============="+"   "+"============="
IF OK = " "
EJECT
SET DEVICE TO SCREEN
ELSE
@ RLINE+1,CLINE SAY ""
WAIT
SET COLO TO W+/B
CLEA
ENDIF
SET CENT OFF
CLOSE ALL
SET COLO TO W+/B
CLEA
SET COLO TO RB+/W
@ 0,0 TO 2,79 DOUBLE
SET COLO TO W+/G
@ 1,1 SAY DD2
SET COLO TO W+/R
@ 3,55 SAY "Report Listing"
SET COLO TO W+/B
RETURN
```

```
** PROGRAM NAME: ACCCR.PRG
** CAPITAL REVENUE REPORT PROGRAM
*********************************
SET COLO TO W+/B
OK=" "
CLEA
TTQ1=SPAC(10)
TTQ2=SPAC(10)
TTQ3=SPAC(8)
TTQ2="ZZZZZZZZZZ"
QDR=0
QCR=0
DO ACCDATE
SET COLO TO RB+/W
@ 0,0 TO 2,79 DOUBLE
SET COLO TO W+/G
@ 1,1 SAY DD2
SET COLO TO W+/R
@ 3,55 SAY "Capital Revenue"
SET COLO TO W+/B
@ 5,12 SAY "Enter the correct range of Accounts Code to be printed/Displayed"
@ 10,20 SAY "From Accounts Code: "
@ 10,42 GET TTQ1
@ 12,20 SAY "To Accounts Code: "
@ 12,42 GET TTQ2
@ 14,20 SAY "Report Date:"
@ 14,35 GET TTQ3
@ 16,20 SAY "Press Any key for Display/ Return to Print : "
@ 16,65 GET OK
READ
IF TTQ2 = "          "
CLEA
RETURN
ENDIF
SET ESCA OFF
SET TALK OFF
SET CENT ON
RLINE=0
CLINE=0
PAGEN=0
P1=0
P=0
P11=0
P2=0
TTQ=" "
USE ACCOUNTS
INDEX ON ACCTCODE TO ACC
USE ACCOUNTS INDEX ACC
GO TOP
IF OK = " "
@ 15,0 CLEA
@ 15,26 SAY "CAPITAL REVENUE REPORT PRODUCTION"
RLINE=1
CLINE=3
P1=2
P11=1
SET DEVICE TO PRINT
ELSE
P1=1
CLEA
```

```
ENDIF
IF TTQ1 <> "            "
SEEK TTQ1
IF EOF()
GO TOP
DO WHILE .NOT. EOF()
IF ACCTCODE > TTQ1
TTQ1=ACCTCODE
GO BOTTOM
ENDIF
SKIP
ENDDO
GO TOP
SEEK TTQ1
ENDIF
ENDIF
DO WHILE .NOT. EOF()
IF DELETED()
SKIP
ELSE
STORE PG1+1 TO PG1
IF PG1 = 1
STORE PAGEN+1 TO PAGEN
IF OK <> " " .OR. PAGEN = 1
@ RLINE,CLINE+5 SAY DP0
@ RLINE+1,CLINE+5 SAY DP1
@ RLINE+2,CLINE+20 SAY "CAPITAL REVENUE AS AT: "+TTQ3
@ RLINE+3,CLINE+20 SAY "================================"
STORE RLINE+3 TO RLINE
ENDIF
@ RLINE+1,CLINE+68 SAY "Page" + STR(PAGEN,3)
@ RLINE+1,CLINE+38 SAY RTRIM(DDD) +", "+ RTRIM(MMM) +" "+ LTRIM(STR(DAY(DATE()),2))+
@ RLINE+3,CLINE SAY "ACCTS CODE"+"    "+"ACCOUNTS NAME"+SPAC(20)+"ESTIMATE(=N=)"+"
@ RLINE+4,CLINE SAY "==========="+"    "+"=============="+SPAC(20)+"=============="+"
STORE RLINE+4 TO RLINE
ENDIF
IF OK <> " "
@ 2,60 SAY "Time "+TIME()
STORE P2+1 TO P2
@ 3,3 SAY "Total = "+STR(P2,4)
ENDIF
DC1=0
DC2=0
DC1=BUDG CR-BUDG DR
DC2=CUMM CR-CUMM DR
STORE RLINE+P1 TO RLINE
@ RLINE,CLINE SAY ACCTCODE+"    "+ACCTNAME+"    "+STR(DC1,13,2)+"    "+STR(DC2,13,2)
STORE QDR+DC1 TO QDR
STORE QCR+DC2 TO QCR
IF OK = " "
IF RLINE > 54
PG1=0
RLINE=2
ENDIF
ELSE
IF PG1 > 12
PG1=0
@ RLINE+1,CLINE SAY ""
WAIT
CLEA
```

```
RLINE=0
CLINE=0
ENDIF
ENDIF
SKIP
ENDIF
IF ACCTCODE > TTQ2
GO BOTT
SKIP
ENDIF
ENDDO
@ RLINE+1,CLINE SAY SPAC(46)+"-------------"+"   "+"-------------"
@ RLINE+2,CLINE SAY SPAC(46)+STR(QDR,13,2)+"   "+STR(QCR,13,2)
@ RLINE+3,CLINE SAY SPAC(46)+"============="+"   "+"============="
IF OK = " "
EJECT
SET DEVICE TO SCREEN
ELSE
@ RLINE+1,CLINE SAY ""
WAIT
SET COLO TO W+/B
CLEA
ENDIF
SET CENT OFF
CLOSE ALL
SET COLO TO W+/B
CLEA
SET COLO TO RB+/W
@ 0,0 TO 2,79 DOUBLE
SET COLO TO W+/G
@ 1,1 SAY DD2
SET COLO TO W+/R
@ 3,55 SAY "Report Listing"
SET COLO TO W+/B
RETURN
```

```
** PROGRAM NAME: ACCCE.PRG
** CAPITAL EXPENDITURE REPORT PROGRAM
*************************************
SET COLO TO W+/B
OK=" "
CLEA
TTQ1=SPAC(10)
TTQ2=SPAC(10)
TTQ3=SPAC(8)
TTQ2="ZZZZZZZZZZ"
QDR=0
QCR=0
DO ACCDATE
SET COLO TO RB+/W
@ 0,0 TO 2,79 DOUBLE
SET COLO TO W+/G
@ 1,1 SAY DD2
SET COLO TO W+/R
@ 3,55 SAY "Capital Expenditure"
SET COLO TO W+/B
@ 8,12 SAY "Enter the correct range of Accounts Code to be printed/Displayed"
@ 10,20 SAY "From Accounts Code: "
@ 10,42 GET TTQ1
@ 12,20 SAY "To Accounts Code: "
@ 12,42 GET TTQ2
@ 14,20 SAY "Report Date:"
@ 14,35 GET TTQ3
@ 16,20 SAY "Press Any key for Display/ Return to Print : "
@ 16,65 GET OK
READ
IF TTQ2 = "          "
CLEA
RETURN
ENDIF
SET ESCA OFF
SET TALK OFF
SET CENT ON
RLINE=0
CLINE=0
PAGEN=0
P1=0
P=0
LL=0
PP=0
TTQ=" "
USE ACCOUNTS
INDEX ON ACCTCODE TO ACC
USE ACCOUNTS INDEX ACC
GO TOP
IF OK = " "
@ 15,0 CLEA
@ 15,26 SAY "CAPITAL EXPENDITURE REPORT PRODUCTION"
CLINE=1
CLINE=3
P1=2
PP=1
SET DEVICE TO PRINT
CASE
P1=1
CLEA
```

```
CLINE=0
CLINE=0
ENDIF
ENDIF
SKIP
ENDIF
IF ACCTCODE > TTQ2
GO BOTT
SKIP
ENDIF
ENDDO
@ RLINE+1,CLINE SAY SPAC(46)+"-------------"+"   "+"-------------"
@ RLINE+2,CLINE SAY SPAC(46)+STR(QDR,13,2)+"   "+STR(QCR,13,2)
@ RLINE+3,CLINE SAY SPAC(46)+"============="+"   "+"============="
IF OK = " "
EJECT
SET DEVICE TO SCREEN
ELSE
@ RLINE+1,CLINE SAY ""
WAIT
SET COLO TO W+/B
CLEA
ENDIF
SET CONT OFF
CLOSE ALL
SET COLO TO W+/B
CLEA
SET COLO TO RB+/W
@ 0,0 TO 2,79 DOUBLE
SET COLO TO W+/G
@ 1,1 SAY DD2
SET COLO TO W+/R
@ 3,55 SAY "Report Listing"
SET COLO TO W+/B
RETURN
```

```
** PROGRAM NAME: ACCTB.PRG
** CASH ANALYSIS REPORT PROGRAM
*********************************
SET COLO TO W+/B
OK=" "
CLEA
TTQ1=SPAC(10)
TTQ2=SPAC(10)
TTQ3=SPAC(8)
TTQ2="ZZZZZZZZZZ"
QDR=0
QCR=0
DO ACCDATE
SET COLO TO RB+/W
@ 0,0 TO 2,79 DOUBLE
SET COLO TO W+/G
@ 1,1 SAY DD2
SET COLO TO W+/R
@ 3,55 SAY "Cash Analysis"
SET COLO TO W+/B
@ 8,12 SAY "Enter the correct range of Accounts Code to be printed/Displayed"
@ 10,20 SAY "From Accounts Code: "
@ 10,42 GET TTQ1
@ 12,20 SAY "To Accounts Code: "
@ 12,42 GET TTQ2
@ 14,20 SAY "Report Date:"
@ 14,36 GET TTQ3
@ 16,20 SAY "Press Any key for Display/ Return to Print : "
@ 16,65 GET OK
READ
IF TTQ2 = "          "
CLEA
RETURN
ENDIF
SET ESCA OFF
SET TALK OFF
SET CENT ON
RLINE=0
CLINE=0
PAGEN=0
DD1=0
PI=0
PII=0
P2=0
TTQ=" "
USE ACCOUNTS
INDEX ON ACCTCODE TO ACC
USE ACCOUNTS INDEX ACC
GO TOP
IF OK = " "
@ 15,0 CLEA
@ 18,26 SAY "CASH ANALYSIS REPORT PRODUCTION"
RLINE=1
CLINE=3
PI=2
PII=1
SET DEVICE TO PRINT
CLEA
P1=1
CLEA
```

```
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ENDIF
IF TTQ1 <> "              "
SEEK TTQ1
IF EOF()
GO TOP
DO WHILE .NOT. EOF()
IF ACCTCODE > TTQ1
TTQ1=ACCTCODE
GO BOTTOM
ENDIF
SKIP
ENDDO
GO TOP
SEEK TTQ1
ENDIF
ENDIF
DO WHILE .NOT. EOF()
IF DELETED()
SKIP
LOOP
STORE PG1+1 TO PG1
IF PG1 = 1
STORE PAGEN+1 TO PAGEN
IF OK <> " " .OR. PAGEN = 1
@ RLINE,CLINE+5 SAY DP0
@ RLINE+1,CLINE+5 SAY DP1
@ RLINE+2,CLINE+21 SAY "CASH ANALYSIS AS AT: "+TTQ3
@ RLINE+3,CLINE+21 SAY "============================="
STORE RLINE+3 TO RLINE
ENDIF
@ RLINE+1,CLINE+68 SAY "Page" + STR(PAGEN,3)
@ RLINE+1,CLINE+38 SAY RTRIM(DDD) +", "+ RTRIM(MMM) +" "+ LTRIM(STR(DAY(DATE()),2))
@ RLINE+3,CLINE SAY "ACCOUNTS CODE"+"    "+"ACCOUNTS NAME"+SPAC(20)+"    DEBIT(=N=)"+
@ RLINE+4,CLINE SAY "============"+"    "+"============"+SPAC(20)+"    ==========="+
STORE RLINE+4 TO RLINE
ENDIF
IF OK <> " "
@ 2,60 SAY "Time "+TIME()
STORE P2+1 TO P2
@ 3,3 SAY "Total = "+STR(P2,4)
ENDIF
STORE RLINE+P1 TO RLINE
@ RLINE,CLINE+1 SAY ACCTCODE+"      "+ACCTNAME+"    "+STR(CUMM DR,13,2)+"  "+STR(CUMM
STORE QDR+CUMM DR TO QDR
STORE QCR+CUMM CR TO QCR
IF OK = " "
IF RLINE > 54
PG1=0
RLINE=2
ENDIF
ELSE
IF PG1 > 12
PG1=0
@ RLINE+1,CLINE SAY ""
WAIT
CLEA
RLINE=0
CLINE=0
ENDIF
ENDIF
```

```
SKIP
ENDIF
IF ACCTCODE > TTQ2
GO BOTT
SKIP
ENDIF
ENDDO
@ RLINE+1,CLINE SAY SPAC(49)+"-------------"+"  "+"-------------"
@ RLINE+2,CLINE SAY SPAC(49)+STR(QDR,13,2)+"  "+STR(QCR,13,2)
@ RLINE+3,CLINE SAY SPAC(49)+"============="+"  "+"============="
IF OK = " "
EJECT
SET DEVICE TO SCREEN
ELSE
@ RLINE+1,CLINE SAY ""
WAIT
SET COLO TO W+/B
CLEA
ENDIF
SET CENT OFF
CLOSE ALL
SET COLO TO W+/B
CLEA
SET COLO TO RB+/W
@ 0,0 TO 2,79 DOUBLE
SET COLO TO W+/G
@ 1,1 SAY DD2
SET COLO TO W+/R
@ 3,55 SAY "Report Listing"
SET COLO TO W+/B
RETURN
```

```
. TYPE B:ACCDATE.PRG
** PROGRAM NAME: ACCDATE.PRG
** PROGRAM FOR THE CURRENT DATE
*************************************

  DD = SPACE(9)
  MM = SPACE(9)

  DD = (UPPER(CDOW(DATE())))
  MM = (UPPER(CMONTH(DATE())))

  IF SUBSTR(DD,1,2) = "MA" .OR. SUBSTR(DD,1,2) = "TU"
  DDD = "Tuesday   "
  ENDIF
  IF SUBSTR(DD,1,2) = "ME" .OR. SUBSTR(DD,1,2) = "WE"
  DDD = "Wednesday"
  ENDIF
  IF SUBSTR(DD,1,2) = "JE" .OR. SUBSTR(DD,1,2) = "TH"
  DDD = "Thursday  "
  ENDIF
  IF SUBSTR(DD,1,2) = "VE" .OR. SUBSTR(DD,1,2) = "FR"
  DDD = "Friday    "
  ENDIF
  IF SUBSTR(DD,1,2) = "SA"
  DDD = "Saturday  "
  ENDIF
  IF SUBSTR(DD,1,2) = "DI" .OR. SUBSTR(DD,1,2) = "SU"
  DDD = "Sunday    "
  ENDIF
  IF SUBSTR(DD,1,2) = "LU" .OR. SUBSTR(DD,1,2) = "MO"
  DDD = "Monday    "
  ENDIF

  IF SUBSTR(MM,1,1) = "J"
  IF SUBSTR(MM,1,4) = "JANV" .OR. SUBSTR(MM,1,4) = "JANU"
  MMM = "January   "
  ENDIF
  IF SUBSTR(MM,1,4) = "JUIN" .OR. SUBSTR(MM,1,4) = "JUNE"
  MMM = "June      "
  ENDIF
  IF SUBSTR(MM,1,4) = "JUIL" .OR. SUBSTR(MM,1,4) = "JULY"
  MMM = "July      "
  ENDIF
  ENDIF
  IF SUBSTR(MM,1,1) = "F"
  MMM = "February  "
  ENDIF
  IF SUBSTR(MM,1,1) = "M"
  IF SUBSTR(MM,1,3) = "MAR"
  MMM = "March     "
  ENDIF
  IF SUBSTR(MM,1,3) = "MAI" .OR. SUBSTR(MM,1,3) = "MAY"
  MMM = "May       "
  ENDIF
  ENDIF
  IF SUBSTR(MM,1,1) = "A"
  IF SUBSTR(MM,1,2) = "AV" .OR. SUBSTR(MM,1,2) = "AP"
  MMM = "April     "
  ENDIF
  IF SUBSTR(MM,1,2) = "AO" .OR. SUBSTR(MM,1,2) = "AU"
  MMM = "August    "
  ENDIF
  ENDIF
  IF SUBSTR(MM,1,1) = "S"
  MMM = "September"
  ENDIF
```

```
IF SUBSTR(MM,1,1) = "O"
MMM = "October  "
ENDIF
IF SUBSTR(MM,1,1) = "N"
MMM = "November "
ENDIF
IF SUBSTR(MM,1,1) = "D"
MMM = "December "
ENDIF
```

[illegible] * CASH IN/OUT FLOW ANALYSIS

[illegible] AS AT 31/12/97

Wednesday, October 21, 1998 Page 1

	ESTIMATE(=N=)	ACTUAL(=N=)
[illegible]	3000000000.00	95000000.00
[illegible]	4000000000.00	3590000000.00
[illegible]	3500000000.00	153000000.00
[illegible]	55000000.00	68000000.00
	11055000000.00	6750000000.00

LAGOS STATE GOVERNMENT OF NIGERIA * CASH IN/OUT FLOW ANALYSIS

PROJECTED REVENUE AS AT: 31/12/97

Wednesday, October 21, 1998 Page 1

ACCTS CODE	ACCTS NAME	ESTIMATE(=N=)	ACTUAL(=N=)
0411-0000	LANDS	500000000.00	450000000.00
0412-0000	FINES & FEES	50000000.00	55000000.00
0413-0000	LICENCES	100000000.00	110000000.00
0414-0000	EARNINGS AND SALES	25000000.00	43000000.00
		675000000.00	663000000.00

[illegible] * CASH IN/OUT FLOW ANALYSIS

CASH ANALYSIS AS AT: 31/12/97

Wednesday, October 21, 1998 Page 1

[illegible]	[illegible]	DEBIT(=N=)	CREDIT(=N=)
[illegible]	FEDERAL REVENUE	0.00	0.00
[illegible]	TAXES	0.00	450000000.00
[illegible]	[illegible]	0.00	55000000.00
[illegible]	[illegible]	0.00	110000000.00
0414-0000	EARNINGS AND SALES	0.00	48000000.00
[illegible]	[illegible]	0.00	0.00
[illegible]	[illegible]	95000000.00	0.00
[illegible]	[illegible]	3590000000.00	0.00
[illegible]	[illegible]	1530000000.00	0.00
[illegible]	[illegible]	680000000.00	0.00
		6750000000.00	6630000000.00