

COMPUTERIZATION OF
ISLAMIC DEVELOPMENT BANK SCHOLARSHIP
PROGRAMME
[A CASE STUDY OF NIGERIA COUNTERPART OFFICE]

By

ABDULKARIM MU'AZU ADAMU
PGD/MCS/123/96

DEPARTMENT OF MATHEMATICS/COMPUTER SCIENCE,
FEDERAL UNIVERSITY OF TECHNOLOGY,
MINNA, NIGER STATE.

MARCH, 1998.

COMPUTERIZATION OF
ISLAMIC DEVELOPMENT BANK SCHOLARSHIP PROGRAMME
[A CASE STUDY OF NIGERIA COUNTERPART OFFICE]

By

ABDULKARIM MU'AZU ADAMU
PGD/MCS/123/96

A Project Submitted to the Department of Mathematics/Computer Science, Federal University of Technology, Minna, in partial fulfillment of the requirement for the award of Post-Graduate Diploma in Computer Science.

MARCH, 1998.

A P P R O V A L

This project has been read and approved as meeting the requirement for the award of a Post-graduate Diploma in Mathematics/Computer Science of Federal University of Technology, Minna, Niger State.

.....
PRINCE R. O. BADAMOSI
(Supervisor)

.....
DATE

.....
DR. K. R. ADEBOYE
(Head of Department)

.....
DATE

.....
EXTERNAL EXAMINER

.....
DATE

DEDICATION

To Islamic Development Bank Head Office in Jeddah, Saudi Arabia; to Islamic Education Trust, Nigeria and to my beloved aged parents Malama Adama Lawal and Malam Mu'azu Adamu Palladan, Zaria.

ACKNOWLEDGMENT

Praise be to Allah, Lord of the worlds and Master of the Day of Judgment. May Allah's mercy be with the blessing Prophet Muhammad (SAW) and his family.

My appreciation goes to my Supervisor, Prince R. O. Badamasi for his brotherly concern and understanding. He really gave me foresight from the beginning to the end. May Allah bless him.

Also, I am indeed grateful to the Head of Department, Dr. K. R. Adeboye for his concern and co-operation. To my able lecturers in the Department, I salute your courageous efforts. May Allah reward you all abundantly.

I am most grateful to the National President of the Islamic Education Trust, Dr. Sheikh Ahmed Lemu, the Director General, Mrs. B. Aisha Lemu and Alhaji Arzika Abubakar Rimau, the Secretary.

I will also not forget Bro. Yusuf Yusuf, Mallam Abdul Hameed Abdul-Kadir Tswanku, Ismaila Isa Rikoto, Bashir Mundi, Aliyu Muhammad Badeggi of Islamic Education Trust, Hadi Ibrahim Bello and others who responded immensely toward my work.

ABSTRACT

Computerization is the effective replacement of repetitive human inter action 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.

Scholarship is the method of payment of grant to scholars.

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 computerization of Islamic Development Bank Scholarship Programme (A Case Study of Nigeria Counterpart Office).

TABLE OF CONTENTS

	<i>Page:</i>
Approval page	i
Dedication	ii
Acknowledgement	iii
Abstract	iv
 CHAPTER ONE	
1.0 Concept of Scholarship	1
1.1 Islamic Development Bank Scholarship Programme	1
1.2 Objective of the Study	4
1.3 Importance of the Study	5
1.4 Methodology of the Study	5
1.5 Scope and Limitation of the Study	5
 CHAPTER TWO	
2.0 Introduction	7
2.1 Survey of Scholarship Schemes	7
2.2 IDB Scholarship in Perspective	9
 CHAPTER THREE	
SYSTEM ANALYSIS AND DESIGN	14
3.0 Introduction	14
3.1 Problem Identification and Definition	14
3.2 Feasibility Study	15
3.3 The Benefit of the System	15
3.4 Testing the Project Feasibility	16
3.5 System Conversion	16

CHAPTER FOUR

SOFTWARE DEVELOPMENT AND IMPLEMENTATION

4.0	Introduction	18
4.1	Choice of Language	18
4.2	Documentation / Menu Structure / File Maintenance	19
4.3	The Structure of the New System	20
4.4	Logical Flow Chart	21
4.5	Programme Development / Program Writing	29

CHAPTER FIVE

SUMMARY, RECOMMENDATIONS AND CONCLUSION

5.0	Summary	30
5.1	Recommendations	30
5.2	Conclusion	30
	Bibliography	31
	Appendices	

and opened a counterpart office with the co-operation of the Islamic Education Trust. The IDB Scholarship is meant for Muslims in Nigeria studying in Nigerian Universities at an undergraduate level.

The scholarship is “Qard Hasn” (interest-free-loan). The recipient students are expected to refund this loan on an easy installment after they have graduated and have found gainful employment. They will repay the amount they received to a “waqf” (i.e. Trust) which is to be established by their local Muslim communities for the revival of the same fund, so as to enable more students from their community to benefit from the programme in future.

Since its inception, the IDB has assisted a lot of Muslim students. Apart from the quarterly Stipends the beneficiaries enjoy the following: Books and other Islamic literatures, Seminar/Workshops and Umrah Visit.

1.1.1 STIPENS:

The Nigeria IDB sponsored receives quarterly allowance of \$150. Apart from the quarterly stipends they are entitled to additional \$150 as book and clothing allowance yearly. They are also entitled to medical expenses of not more than \$40 which will also be counted as loan.

1.1.2 BOOKS:

Books and other Islamic literatures are given to IDB sponsored free to inculcate the spirit of Islam into the young IDB beneficiaries.

1.1.3 SEMINARS/WORSHIPS:

Seminars and workshop are organized by the Guidance and Counseling Unit to enhance the Islamic commitment of the IDB sponsored beneficiaries.

1.1.4 UMRAH VISIT:

Umrah visit was introduced by the bank to encourage positive academic and Islamic knowledge competition among students. This is to assist the improvement of the students’ Islamic spirit and encourage others to achieve the same.

1.1.5 The scheme has 263 sponsored students in the following Nigerian universities:-

<u>S/N</u>	<u>Institution</u>	<u>No. of Students</u>
1.	Ahmadu Bello University, Zaria	65
2.	Bayero University, Kano	6
3.	Federal University of Technology, Minna	45
4.	Federal University of Technology, Yola	2
5.	Usmanu Danfodio University, Sokoto	15
6.	University of Ilorin, Ilorin	35
7.	University of Ibadan, Ibadan	10
8.	Ladoke Akintola University of Technology, Ogbomosho	2
9.	University of Jos, Jos	5
10.	University of Lagos, Lagos	11
11.	Lagos State University	2
12.	University of Maiduguri, Maiduguri	5
13.	Edo State University, Ekpoma	8
14.	Nigeria College of Aviation, Zaria	3
15.	University of Benin, Benin	10
16.	Obafemi Awolowo University, Ile-Ife	10
17.	University of Nigeria, Nsukka	2
18.	Abubakar Tafawa Balewa University, Bauchi	20
19.	Federal University of Technology, Akure	1
20.	Rivers State University	2
21.	University of Port-Harcourt	4
T O T A L		=
		<u>263</u>

1.1.6 From 1987 to date the number of students in-take into the scheme, year after year is represented below:

<u>Year</u>	<u>No. of Students</u>
-------------	------------------------

1987	20
1988	20
1989	30
1990	40
1991	50
1992	50
1993	50
1994	50
1995	10
1996	50
1997	61
	<hr/>
T O T A L	431
	<hr/>

1.1.7 Below is table showing numbers of graduates under the sponsorship of IDB in Nigeria:

<u>Year</u>	<u>No. of Graduates</u>
1990	20
1991	10
1992	15
1993	25
1994	15
1995	26
1996	18
	<hr/>
T O T A L	129
	<hr/>

1.2 OBJECTIVE OF THE STUDY:

The objective of this project is to improve on the file handling system of the Islamic Development Bank Scholarship Office in Nigeria from ordinary manual file to the modern computer file handling, recording and storage system.

To handle efficiently and accurately so as to provide the IDB Counterpart Office

with timely information.

Also to speed up access to and availability of reliable data in the system. To also eliminate duplication, conflicting and unnecessary service in the system. To minimize operating cost and maximize savings to as to meet the needs of the employee.

1.3 IMPORTANCE OF THE STUDY:

The study is to high light the need for the introduction of computer system in the programme, as it will enhance the efficient operation of the programme and improve on the administration of the office.

Also to ensure effective control and accountability of fund, and to smoothen the flow of data.

1.4 METHODOLOGY OF THE STUDY

In this study, the main source of data obtained were of two types:

a) Primary Data:

This include the students' file, the office record file etc.

b) Secondary Data:

This include the use of available documents and library research. The data include published and unpublished materials. Published materials include textbooks, journals, newspapers, organization manuals. The information extracted from the source constitute a greater part of the secondary data used. And it is based on the fact it is suitable for the study and it also forwards identifying the various benefits of efficiency in use of the computer and how it improved the organization performance.

1.5 SCOPE AND LIMITATION OF THE STUDY

The computerized system is some what a kind of management information system written in a flexible structured programming to produce a data base management system which has a set of complementary activities set out by IDB Scholarship Counterpart Office that serve to produce periodically or on demand, summarized information from

the resources of the counterpart office to help in planning, monitoring and controlling the operation of the office.

One of the limitation of the system is that it can not deal with non routine situations. Only specific procedures which have been defined and outline can be performed. The system is designed and specifically for the IDB Scholarship, Nigeria Counterpart Office.

Chapter Two

2.0 INTRODUCTION

Scholarships schemes on educational assistance programme is a programme of promoting highest standard of intellectual achievement and of technical and professional performance.

2.1 SURVEY OF SCHOLARSHIP SCHEMES

Scholarships are of various types and they include:

- i) Philanthropic assistance from individual and organizations
- ii) State and Federal Governments Scholarships
- iii) Overseas Scholarships (Foreign Aid Programme)
- iv) Common Wealth Scholarship and Fellowship Plan, etc.

2.1.1 PHILANTHROPIC ASSISTANCE:

This is a kind of assistance from organizations and from individual well to do people from the society who in reaching back to the people in the society extend educational assistance to students of academic merit so that they can contribute to the development of that society. Chevron, Shell (Nigeria) Company have set up a scholarship schemes in assisting Nigerian University students especially those in oil producing areas. There is also the British Chevening Scholarship for mid-career development, with awards tenable for a course of training or study in the United Kingdom. These are just to mention but a few, there many other schemes operating in this regard.

2.12 STATE AND FEDERAL GOVERNMENT SCHOLARSHIPS

These awards of scholarship are made by States and Federal Government through the Ministry of Education and Federal Ministry of Education respectively. The award can be enjoyed by every undergraduate and postgraduate Nigerian students in as much as they satisfy the conditions of the award. The awards are normally tenable in the awarding country.

2.13 OVERSEAS SCHOLARSHIPS (Foreign Aid Program)

The Government of the Federal Republic accept scholarships outside Nigeria at Institutions of Higher Education that will provide supplementary facilities to those available in the country and which will support the high level manpower policy of the Federal Republic.

During the course of the year, scholarship offers are made to Nigeria by various foreign Governments. All offers shall as a matter of policy be made to the Nigerian Government in the first instance through the Ministry of External affairs which then passes them the Federal Scholarship Board for evaluation and process. Scholarships are available at post-graduate level in all fields. And undergraduate level in areas of priority as may be determined by manpower board.

2.1.4 COMMON WEALTH SCHOLARSHIP AND FELLOWSHIP PLAN

The Common Wealth Scholarship and Fellowship Plan was instituted in 1959 to give practical expression to the declared intention of commonwealth countries to contribute the provision of high level education and training by sharing their resources and their facilities.

The aim of the plan is to enable commonwealth students of high intellectual promise to pursue studies in commonwealth countries other than their own so that on their return home they can make a distinctive contribution to life in their own countries and to mutual understanding in the commonwealth. The Scholarships are awarded for post-graduate study, but there are exceptional case where awards for undergraduate study can be made to students from countries in which there are no universities or whose universities do not offer the courses desired.

A limited number of awards is also made to senior scholars of established reputation and achievement. These are also known as commonwealth visiting or Research Fellowships, Senior or Administrative Awards, depending on which country offer them .

2.2 IDB SCHOLARSHIP IN PERSPECTIVE

Apart from financing special operations, out of the special assistance account, IDB introduces scholarship office to assist Muslim communities in non-member countries like Nigeria, Ghana etc. This is to enable the countries to finance higher education at degree level in technical fields. This scholarship is meant for the sound academic and financial needy students like those who come from a very poor family background, and orphans, who are discovered to be very talented and who need financial support to complete their studies in the field of Medicine, Agric, where Dentistry, Nursing, Pharmacy, Veterinary Medicine etc.

Nigeria was among the many countries that received this gesture from IDB in 1987 opened a Counterpart Office with the co-operation of the Islamic Education Trust.

Since its inception, the IDB has assisted a lot of Muslim students. In terms of quarterly stipends, clothing and book allowance, the office also contributed towards the development of Islamic spirit of the beneficiaries through seminars, organizing workshops, and by sending to them literature in science and Islamic knowledge.

The recent appointment of two “Honorary Counselors” from North and South to assist the IDB by monitoring and organizing Islamic Da’wah activities will penetrate the grassroots and help in inculcating immensely the Islamic spirit of the beneficiaries.

The counterpart organization as the Head of the IDB Office in the country established a Secretariat with Scholarship Secretary to run the office.

The Office has made a remarkable achievement by producing a lot of qualified Muslim medical doctors and engineers.

2.2.1 POWER AND FUNCTIONS OF COUNTERPART’S ORGANIZATION

The IDB Scholarship has the following functions:-

1. Selection and recommendation of new applicants
2. Payment of the sponsored students
3. The only recognized body organization that handles the Scholarship Programme in

the country.

4. Organized Seminars to the sponsored students.
5. Monitor the Academic progress of the beneficiaries.
6. Communicate to the sponsored students all the necessary information from IDB Head Office.
7. Suspend or recommend for termination of a beneficiary if he/she is found deviating from IDB Rules and Regulations.
8. Collecting loan repayment through an established WAQF from the beneficiary.
9. Recommend beneficiary with outstanding academic excellence and Islamic commitment for Umrah Visit to the Saudi Arabia.
10. To ensure that Graduates of the Scheme comply with the Objectives of the IDB by assisting the local Muslim communities.
11. Up-dating IDB Head Office with periodic (Quarterly) report on the activities of the Scholarship in the country.
12. Represent the country's Muslim Ummah in any Workshops or Seminars at the Head Office or recommend some people to participate.

2.2.2 CRITERIA FOR AWARDING SCHOLARSHIP

APPLICATION FORM:- The application form is free for distribution to all qualified candidates who meet the requirements of the IDB. This is done through all the Interview Centres in the country.

INTERVIEW:- The students academic records and Islamic knowledge must be tested through interview process.

QUALIFICATIONS:-

- ⇒ Must be a Muslim
- ⇒ Studying in the country in which he/she is residing. Placement in any other country can only be approved by the IDB Head Office.
- ⇒ Not more than 24 years

- ⇒ Studying at first year in one of the approved courses
- ⇒ Has completed IDB Application Forms in duplicate and satisfy all the requirements of filling the application forms.
- ⇒ Has good result at Ordinary level (Secondary School) with good grade at Credit level in English, Math, Biology, Chemistry, Physics and other relevant courses as approved by IDB Head Office in Jeddah, Saudi Arabia.

APPROVED COURSES:

1. Medicine and Allied Courses
2. Engineering and Allied Courses
3. Agric
4. Fishing
5. Forestry
6. Computer Science
7. Nursing
8. Aviation Technology.

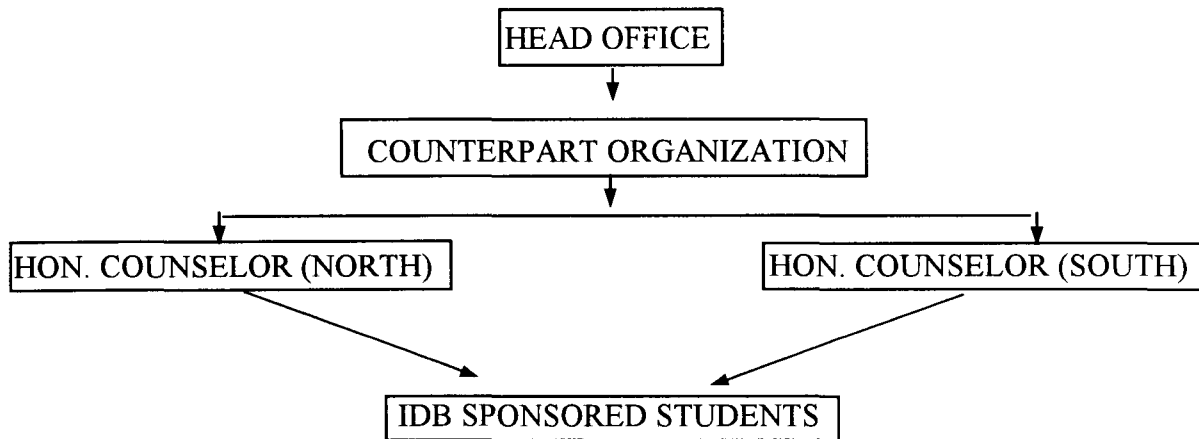
AWARD OF IDB SCHOLARSHIP:

The recommended candidates will be sent to Head Office for final consideration out of which eligible candidates will be approved.

Approved candidates will be communicated through the Counterpart Organization. And will have to meet the following condition by filling.

1. Undertakings Form
2. Scholarship Bond
3. Guarantors/Witness Signature and Passport Photograph
4. Declaration of intend to refund
5. Not in position of any Scholarship
6. Ready to assist local Community on graduation.

STRUCTURE OF THE IDB SCHOLARSHIP BOARD



2.2.3 METHOD OF SELECTION

Interview process involves measuring the following:

Academic Standing:

West African Examination Council result with a pass at good credit level. The subject of which will include English, Maths, Physics, Chemistry, Biology or any Science course an added advantage. Advanced level or ordinary National Diploma will be added advantage and could be considered.

Candidate must be a Muslim at 100 level and will have registered as a Matriculated student in any Nigerian Universities at Undergraduate degree level. This score has about 80%

Financial Needs:

This is to understand the true family background of the applicant, his parent occupation, whether orphan or has parents etc. This is to enable the parent know the level of income earnings. They also request the position of the child in the family that is whether he is 1st, 2nd, etc. in the number of children.

ISLAMIC KNOWLEDGE AND COMMITMENT:

This is another condition where a student is expected to show or pursue to the interview panel that he has knowledge of Islam and has been a practising Muslim. This could be achieved

by the parcel when the applicant is asked the following questions:

1. Can you recite al-Qur'an? If yes, up to where, is all or partially.
2. Have hold any post in your Muslim Organization - If yes, what rank?

STANDARDISATION COMMITTEE:

This Committee is the Highest Screening Committee at the Counterpart's Office level.

The Committee sits once in a year to determine the best candidates to recommend to the Head Office.

SELECTION COMMITTEE IN THE HEAD OFFICE:

The final Committee to decide the approved candidates recommended by the Standardisation Committee from the local countries.

Chapter Three

SYSTEM ANALYSIS AND DESIGN

1. INTRODUCTION

Computerization 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.

Also before any changes could be carried out over any organization or setup, 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 analyzing the current procedures and designing the most efficient and economical system or procedures that will better accomplish given tasks within an organization.

3.1 PROBLEM IDENTIFICATION AND DEFINITION:

The following problems were discovered after a careful study of the present system which include students file handling, file security, errors in computation of the payment made to students, slow accessibility to files and the difficulty in reports generation when done manually.

- i. Students file displacement - This occur when files are being processed for information. Careless file handling can bring about displacement of some pages from the file or the whole file.
- ii. Increased rates of error in computation - Due to the size or volume of data, errors are often emitted during computations in the individual student file.
- iii. Inadequate security and privacy of files:- Files are not adequately secured, consequently they can easily be tempered with by anybody for personal gains.
- iv. Slow accessibility of files - So many files have to be sorted manually one after the

other before getting access to a particular file.

- v. Difficulty of report generations:- Reports on statistical data are often difficult to be generated, being tedious and time consuming and consequently ignored even though vital.

3.2 FEASIBILITY STUDY:

This will involve total study of the manual system with a view of how it will be computerized. 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 computerized system.

All the above methods of feasibility study will be carried out to make sure that the new system (Computerization of IDB Scholarship Programme) 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 discovered that the problem related to the storage, processing and retrieving of information regarding beneficiary file can be solved by computerizing the system.

It was also discovered that the existing system is full of error and inefficiency and the desire to increase the reliability of output and maintenance of data integrity and reduce cost by eliminating these deficiencies and constitute the move for more effective and useful structure of information for better organization and decision making.

3.3 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 reduce generation of high volume of paper work and computer is synonymous to time and since computer work at a phenomenal speed coupled with its ability to access records.

3.4 TESTING THE PROJECT FEASIBILITY:

3.4.1 OPERATIONAL FEASIBILITY:

The project is operationally feasible, based on the facts that were discovered during investigation, which revealed the desired of those concerned with the operation as well as the users of the system to have strongly supported the proposal of an automated system.

3.4.2 TECHNICAL FEASIBILITY:

From the discoveries, during investigation, the project is technically feasible. The Secretariat will employ computer sets and competent staff that can handle the machines. Therefore, the available software and hardware technologies have made it more desirable than the old system.

3.4.3 ECONOMIC FEASIBILITY

The project is economically feasible, based on the findings, the management has shown 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 counterpart organization can afford the hardware and the software for the new system.

3.5 SYSTEM CONVERSION (CHANGE OVER)

This involves procedures to change from the manual system to the computerized system. It entails four methods namely: Pilot method, Director method, Parallel method and Phase convention method.

A. PILOT METHOD;

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

B. PARALLEL METHOD;

This method involve a situation whereby the old system and the new system are run concurrently using the same input data. The output from the old system continue 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 being discriminated 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 new system is gradually phased out. This is the best way to design data in hierarchical structure of related processing activities grouped together.

Although it has cost minimization advantage as two systems are not operated 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 change over procedure, the Analyst recommended the phased conversion method for this project; this is because the cost is minimized in external operators; and as much as the new system has been developed according to specification, the old system need to be gradually phased out.

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 the 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 problems are easier to define 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 analyzing 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. 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, PROLOG, FORTRAN, FOXPRO, DBase, C-LANGUAGE etc. Among all these high Level programming Computer languages. DBase is the most suitable for this project work.

4.1.1 THE FEATURE OF dBase IV:

- i. dBase IV has a great deal of data base manipulation command which save considerable time.
- ii. It provide editors and form design tools that enable the programmer to inter actively create and modify program, queries, menu, data entry screens, reports and labels.
- iii. It is easy to develop complete pull down menu driven programs with mouse compatibility to further ensure a user friendly atmosphere.
- iv. It force codes to be written as much as possible in modular form with each screen, menu, reports forms having a separate module for coding. This will enable the logic program to be easily understood, maintained and updated for future purpose.
- v. dBase IV has features which provide network capabilities.
- vi. DBase IV includes tracing and debugging facilities which enables easy debugging of codes and easy maintenance.

4.2 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 objectives and techniques and all translations 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.

B. MENU STRUCTURE:

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. This is listed below as it is recorded in the program:

1. Main Menu
2. Students' record
3. Students' payment
4. Report generation
5. Exit

C. FILE MAINTENANCE:

This means addition of new records and removal of absolute or erroneous ones. An essential activity of business data processing is file update and maintenance reflect the current status.

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

1. Addition
2. Modification
3. Deletion
4. Enquiry
5. Report.

4.3 THE STRUCTURE OF THE NEW SYSTEM:

The structure of the new system is an integrated of several simple modules. Each of the modules representing the task involved in its procedure, for the four sub-menu considered in this project.

The task involves includes the creation of the Islamic Development Bank Scholarship Programme main menu. The main menu have a sub menu which includes:

- i. Scholarship Master Record
- ii. Award Payment
- iii. Report Generation
- iv. Exit to DOS.

The Scholarship Master Record menu will generate the data entry screen which replaces the main menu. Also under the scholarship master record menu options are allowed to be taken i.e. add, append, delete, enquiry record, report record and exit to main menu modules. The add record is the data entry which replaces the sub menu with detailed information about the student like reference number, name, State, age etc. The report generation give three options and the

printed output that generated list of entire students on scholarship programme.

4.4 LOGICAL FLOW CHART:

This will be drawn to give the flow of information, data, and work flow by inter connecting specialized symbols with flow lines. The combination of symbols and flow lines portray the logic of the system.

4.4.1 Main Menu Algorithm:

Procedure Exit-pro

Do Case

Case Bar () = 1

Quit

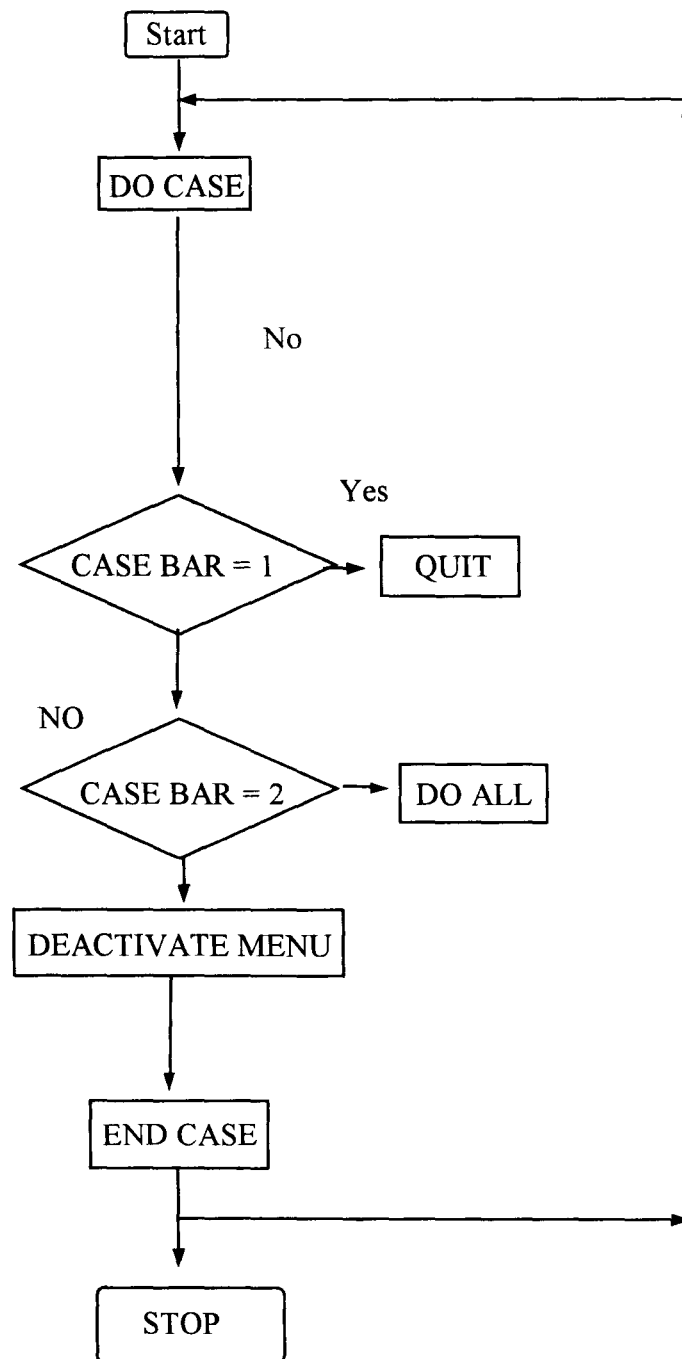
Case Bar () = 2

Deactivate Menu

End Case

Return.

FLOW CHART OF THE ABOVE ALGORITHM



ALGORITHM OF RECORD

4.4.2 PROCEDURE Rmaint

DO CASE

CASE BAR () = 1

DO Studadd

CASE BAR () = 2

DO Studmodi

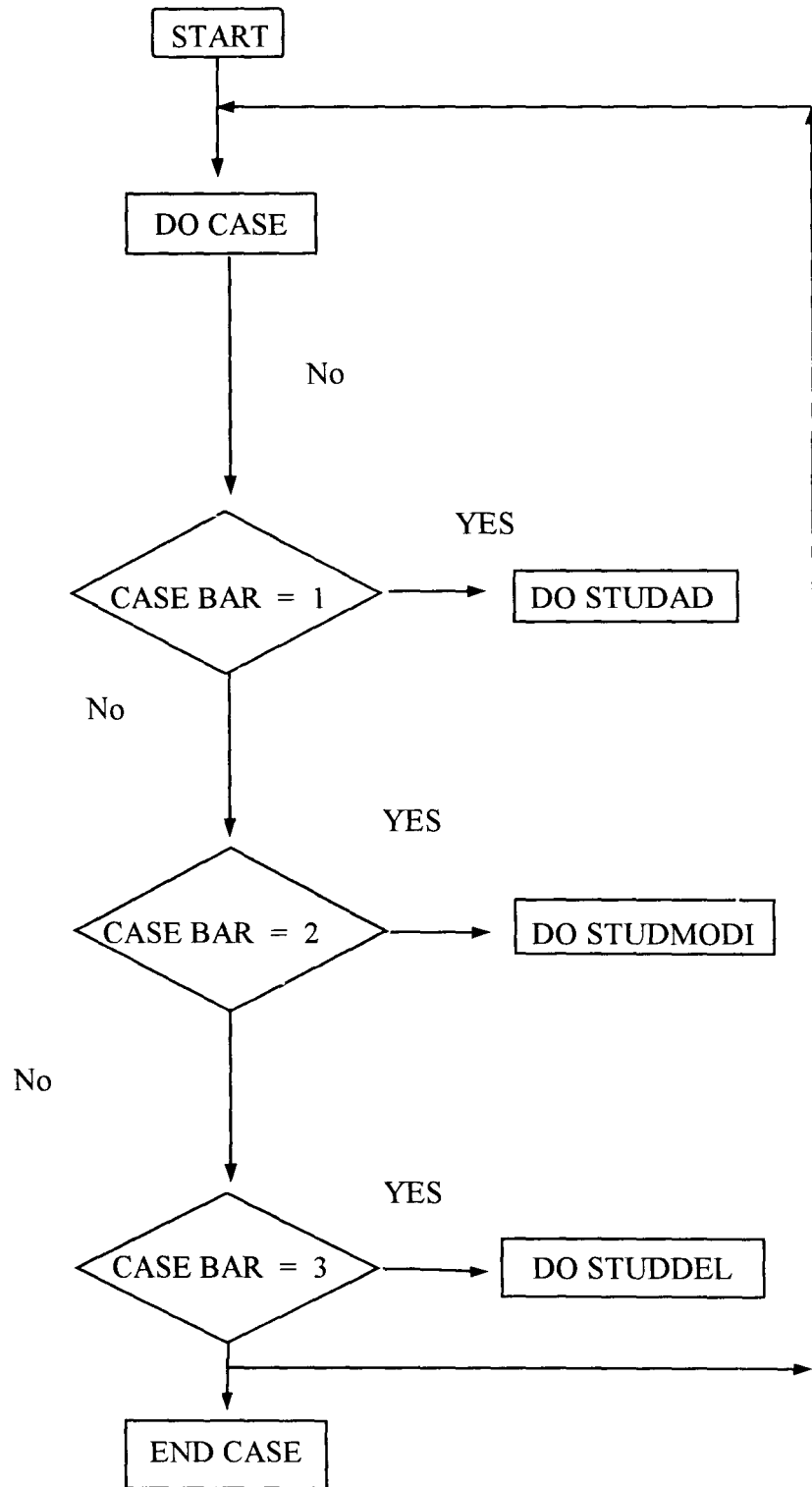
CASE BAR () = 3

DO Studdel

END CASE

RETURN

FLOW CHART OF THE ABOVE ALGORITHM



STOP

ALGORITHM OF PAYMENT

4.4.3 PROCEDURE PAY__Pro

DO CASE

CASE BAR () = 1

DO Payadd

CASE BAR () = 2

Do Paymodi

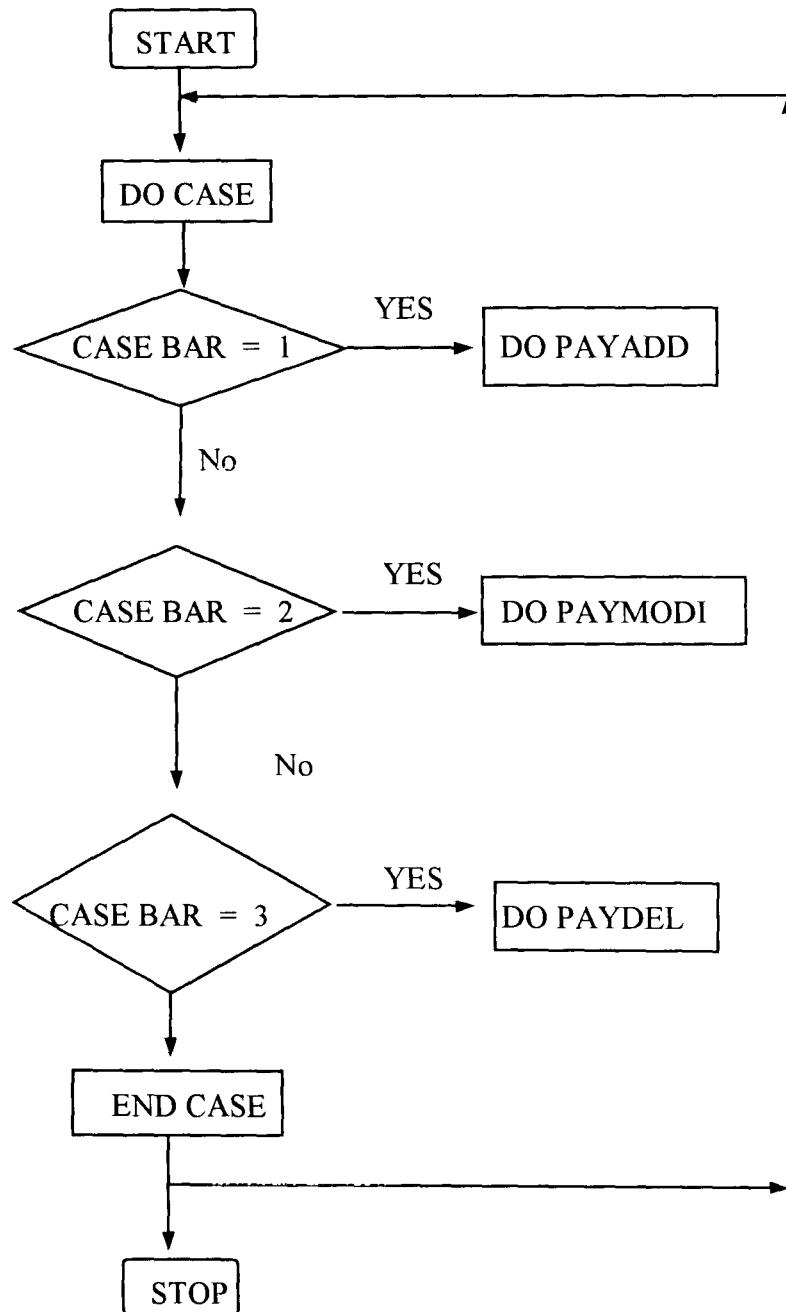
CASE BAR () = 3

DO Paydel

END CASE

RETURN

FLOW CHART OF THE ABOVE ALGORITHM



ALGORITHM OF REPORT

4.4.4 PROCEDURE Report__Pro

DO CASE

CASE BAR () = 1

DO Studrept

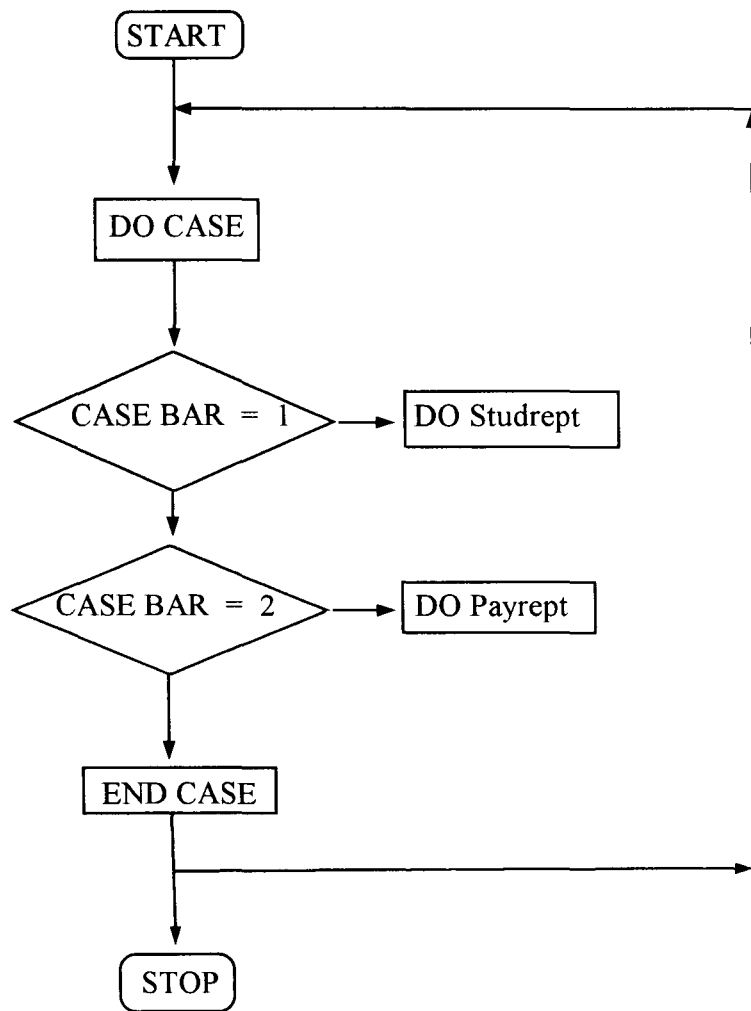
CASE BAR () = 2

DO Payrept

END CASE

RETURN

FLOW CHART OF THE ABOVE ALGORITHM



4.5 PROGRAM DEVELOPMENT/PROGRAM WRITING:

Program writing will involve writing of sequence of instructions (normally referred to as program) to perform the task of Islamic Development Bank Scholarship Programme, Nigeria Counterpart Office using a particular programming language.

Here the dBase Programming Language will be used to develop the programs required.

Chapter Five

SUMMARY, RECOMMENDATION AND CONCLUSION

5.0 SUMMARY:

The project explains the modalities of changing over from manual recording system to the new automated and computerized system of records keeping, storage and retrieving. The new process involved analysis of the present manual system, and designing a stable and lasting system for efficient and accurate operation in the Nigeria Counterpart Office of the Islamic Development Bank Scholarship Programme.

5.1 RECOMMENDATIONS

Based on the problems identified with the manual system such as slow accessibility of files, insecurity, unreliability and time wastage it will be highly recommended to the IDB Counterpart organization in Nigeria to introduce the computer system to enhanced efficiency, speed and accuracy, reliability of data, security at a minimized cost and time.

A proper data base (or data bank) is required for all the scholarship awards.

5.2 CONCLUSION:

The implementation and resultant output of this package has shown the advantage and need to formalize and standardized the input/output activities of the Scholarship programme in general.

BIBLIOGRAPHY

1. LARRY LONG (1984) Introduction to Computers and Information Processing, Prentice-Hall, Inc. Englewood Cliffs.
2. LUCAS L. H. (1985) The Analysis Design and Implementation System Second Edition, Mc Graw-Hill Inc., New York.
3. ORILA L. S. (1992) Introduction to Business Data Processing Second Edition, African Publications, Ibadan.
4. I.D.B. REPORT (1988) Thirteenth Annual Report, Jeddah, Saudi Arabia, Vol.

```
*****
*** ISLAMIC DEVELOPMENT BANK (IET) MINNA SCHOLARSHIP PROGM.***
*****
*** Procedure Main Menu ****
```

```
SET TALK OFF
SET STATUS OFF
CLEAR
Medit = .F.
DO WHILE .T.
@5,1 CLEAR TO 15,79
@5,1 FILL TO 15,79 COLOR W/GB+
SET COLOR TO W/GB+
@5,1 TO 15,79 DOUBLE
@6,8 SAY " STUDENTS'          STUDENTS'          REPORT
EXIT"
set colo to w+/rG+
@2,19 say " ISLAMIC EDUCATION TRUST (IET), MINNA."
@3,21 say " IDB SCHOLARSHIP PROGRAMME NIGERIA."
@18,12 SAY " USE THE      AND      TO SELECT YOUR OPTION  THEN PRESS "
@18,21 SAY CHR(24)
@18,27 SAY CHR(25)
@18,64 SAY CHR(17)+CHR(196)+CHR(217)
SET COLOR TO W/N
SET COLOR OF HIGHLIGHT TO W+/R+
SET COLOR OF INFORMATION TO W+/GB
SET COLOR OF MESSAGES TO W+/W
```

```
DO Menus
ON PAD Rmaint OF Main ACTIVATE POPUP Rmaint_pop
ON PAD Pmaint OF Main ACTIVATE POPUP Pmaint_pop
ON PAD Report OF Main ACTIVATE POPUP Report_pop
ON PAD Exit   OF Main ACTIVATE POPUP Exit_pop
ON SELECTION PAD Exit OF Main ACTIVATE POPUP Exit_pop

ON SELECTION POPUP Exit_pop DO Exit_pro
ON SELECTION POPUP Rmaint_pop DO Rmaint_pro
ON SELECTION POPUP Pmaint_pop DO Pmaint_pro
ON SELECTION POPUP Report_pop DO Report_pro
ACTIVATE MENU Main PAD Rmaint
SET TALK ON
ENDDO
RETURN
```

```
PROCEDURE Menus
*-- Main Menu
DEFINE MENU Main
DEFINE PAD Rmaint OF Main PROMPT "RECORD" AT 7,10
DEFINE PAD Pmaint OF Main PROMPT "PAYMENT" AT 7,25
DEFINE PAD Report OF Main PROMPT "GENERATION" AT 7,41
DEFINE PAD Exit OF Main PROMPT "PROGRAM " AT 7,60

*-- Popup STUDENTS' RECORD
DEFINE POPUP Rmaint_pop FROM 8,8 TO 12,16
DEFINE BAR 1 OF Rmaint_pop PROMPT "Append"
```

```

DEFINE BAR 2 OF Rmaint_pop PROMPT "Modify"
DEFINE BAR 3 OF Rmaint_pop PROMPT "Delete"

*-- Popup STUDENTS' PAYMENT
DEFINE POPUP Pmaint_pop FROM 8,23 TO 12,32
DEFINE BAR 1 OF Pmaint_pop PROMPT "Append"
DEFINE BAR 2 OF Pmaint_pop PROMPT "Modify"
DEFINE BAR 3 OF Pmaint_pop PROMPT "Delete"

*-- Popup Report Generation
DEFINE POPUP Report_pop FROM 8,36 TO 12,54
DEFINE BAR 1 OF Report_pop PROMPT "Students' Record"
DEFINE BAR 2 OF Report_pop PROMPT "Students' Payment"

*-- Popup Exit_pop
DEFINE POPUP Exit_pop FROM 8,61 TO 11,66
DEFINE BAR 1 OF Exit_pop PROMPT "YES"
DEFINE BAR 2 OF Exit_pop PROMPT "NO"
RETURN

PROCEDURE Exit_pro
DO CASE
  CASE BAR() = 1
    QUIT
  CASE BAR() = 2
    DEACTIVATE MENU
ENDCASE
RETURN

PROCEDURE Rmaint_pro
DO CASE
  CASE BAR() = 1
    DO studadd
  CASE BAR() = 2
    DO studmodi
  CASE BAR() = 3
    DO studdel
ENDCASE
RETURN

PROCEDURE Pmaint_pro
DO CASE
  CASE BAR() = 1
    DO payadd
  CASE BAR() = 2
    DO paymodi
  CASE BAR() = 3
    DO paydel
ENDCASE
RETURN

PROCEDURE Report_pro
DO CASE
  CASE BAR() = 1

```



```

DO studrept
CASE BAR() = 2
DO payrept
ENDCASE
RETURN
*-- EOP: MAIN MENU
*#####*
*###  proced. for student record (append)  ###*
*#####*
  Procedure studadd

SET TALK OFF
SET BELL OFF
SET CURSOR ON
SET INTENSITY ON
SET BORDER TO DOUBLE
@ 00,00 CLEAR TO 00,79
USE STUDENT.DBF
SET COLOR TO
Clear
SET COLOR TO W+/B+
@2,21 SAY "ISLAMIC EDUCATIONAL TRUST (IET)"
@3,10 SAY "STUDENTS' RECORD FOR IDB SCHOLARSHIP PROGRAMME,
NIGERIA."
DO WHILE .T.
  SET COLOR OF INFORMATION TO W+/B+
  @ 00,00 FILL TO 00,79 COLOR W+/B+
  @ 00,03 SAY 'Date :' COLOR W+/B+
  @ 00,10 SAY DATE() COLOR W+/B+
  @ 00,64 SAY 'Time :' COLOR W+/B+
  SET CLOCK TO 00,69
  SET COLOR OF FIELDS TO N/W
  STORE SPACE(23) TO
mstud_name,mhome_add,mmail_add,mname_sch
  STORE SPACE(23) TO mname_univ,mname_facul,mdepartment
  STORE SPACE(7) TO mreg_numbr,myear_admit,midb_numbr
  STORE SPACE(6) TO mexp_yr_gra
  STORE SPACE(2) TO mage,mno_credit,mno_passes,msubj_fail
  STORE SPACE(10) TO mn_nality,mqual_obt,myear_grad
  STORE SPACE(1) TO msex
  DO WHILE .T.
    STORE 'Y' TO YN,TF
    @ 24,00 CLEAR TO 24,79
    @ 24,25 SAY "Data Entry :- Students' Record" COLOR
W+/B+
    SET COLOR TO W+/B+
    @ 00,24 SAY 'Record No :' + STR(RECCOUNT(),4)
    SET BORDER TO DOUBLE
    @ 04,01 TO 23,79 COLOR RG
    SET BORDER TO SINGLE
    @ 05,19 SAY ' Personal Data ' COLOR GR+
    @ 05,54 SAY " University Education" COLOR R
    @ 06,05 TO 06,76 COLOR RG
    @ 05,42 TO 22,42 COLOR RG

```

```

set colo to w+/b+
      @ 07,3 SAY "Student Name:" GET mstud_name PICT
"@!"
      @ 08,3 SAY 'IDB No.:' GET midb_numbr PICT "@!"
      @ 09,3 SAY 'State of Origin:' GET mn_nality PICT
"@!"
      @ 10,3 SAY 'Home Add.:' GET mhome_add PICT "@!"
      @ 11,3 SAY 'Mailing Add.:' GET mmail_add PICT "@!"
      @ 12,3 SAY 'Age:' GET mage PICT "@!"
      @ 13,3 SAY 'Sex' GET msex PICT "@!"
      @ 14,05 TO 14,41 COLOR RG
      @ 14,43 TO 14,76 COLOR RG
      @ 14,18 SAY " O' Level Education " COLOR B+
      @ 14,55 SAY " ACTION" COLOR R+
      @ 16,3 SAY 'Shool Attended:' GET mname_sch PICT
"@!"
      @ 17,3 SAY 'Qualification Obtained:' GET mqual_obt
PICT "@!"
      @ 18,3 SAY 'Year Of Graduation:' GET myear_grad
PICT "@!"
      @ 19,3 SAY 'No. Of Credits Obtained:' GET
mno_credit PICT "@!"
      @ 20,3 SAY 'No. Of Passes Obtained:' GET
mno_passes PICT "@!"
      @ 21,3 SAY 'No. Of Subjects Failed' GET msubj_fail
PICT "@!"
      @ 07,44 SAY 'University:' GET mname_univ PICT "@!"
      @ 08,44 SAY 'Faculty:' GET mname_facul PICT "@!"
      @ 09,44 SAY 'Registration No.:' GET mreg_numbr PICT
"@!"
      @ 10,44 SAY 'Department:' GET mdepartment PICT "@!"
      @ 11,44 SAY 'Year of Admission:' GET myear_admit
PICT "@!"
      @ 12,44 SAY 'Expected Year Of Graduation:' GET
mexp_yr_gra PICT "@!"
      READ
      IF midb_numbr = SPACE(5)
      @ 16,45 SAY 'Null Record Not Allowed' COLOR GR*
      @ 18,45 SAY ' Return To Continue...' COLOR GR*
      SET CONSOLE OFF
      WAIT
      SET CONSOLE ON
      @ 16,45 CLEAR TO 16,73
      @ 16,45 FILL TO 16,73 COLOR N+/N+
      @ 18,45 CLEAR TO 18,73
      @ 18,45 FILL TO 18,73 COLOR N+/N+
      @ 16,45 SAY 'Insert New Record (Y/N) ?' COLOR G+
      @ 16,72 GET YN
      READ
      @ 04,02 CLEAR TO 24,79
      @ 04,02 FILL TO 24,79 COLOR N+/N+
      @ 16,45 CLEAR TO 16,73
      @ 16,45 FILL TO 16,73 COLOR N+/N+
      @ 18,45 FILL TO 18,73 COLOR N+/N+

```

```

        IF UPPER(YN) $ 'Y'
            @ 04,02 CLEAR TO 24,79
            @ 04,02 FILL TO 24,79 COLOR N+/N+
        LOOP
    ELSE
        SET COLO TO
    CLEAR
        RETURN TO MASTER
    ENDIF

        @ 04,02 CLEAR TO 24,79
        @ 04,02 FILL TO 24,79 COLOR N+/N+
        @ 16,45 FILL TO 16,73 COLOR N+/N+
        @ 18,45 FILL TO 18,73 COLOR N+/N+
    ENDIF
    LOCATE FOR midb_num = IDB_NUMB
    IF FOUND()
        @ 24,00 FILL TO 24,79 COLOR W+/B+
        @ 24,11 SAY 'No Duplicate Staff Number Allowed
Press <Return> To Continue...' COLOR W+*/B+
        SET CONSOLE OFF
        WAIT
        SET CONSOLE ON
        @ 24,00 CLEAR TO 24,79
        @ 16,45 SAY 'Insert New Record (Y/N) ?' COLOR G+
        @ 16,72 GET YN
        READ
        @ 16,45 CLEAR TO 16,73
        @ 16,45 FILL TO 16,73 COLOR N+/N+
        IF UPPER(YN) $ 'Y'
            @ 04,02 CLEAR TO 24,79
            @ 04,02 FILL TO 24,79 COLOR N+/N+
        LOOP
    ELSE

SET COLO TO
    CLEAR
        RETURN TO MASTER
    ENDIF
    ENDIF
        @ 16,45 SAY 'Are These Entries Ok(Y/N) ?' COLOR B+
        @ 16,73 GET YN
        READ
        @ 16,44 CLEAR TO 16,73
        @ 16,44 FILL TO 16,74 COLOR N+/N+
        IF UPPER(YN) $ 'Y'
            USE STUDENT
            APPEND BLANK
            REPLACE STUD_NAME WITH mstud_name,HOME_ADD WITH
mhome_add,MAIL_ADD WITH mmail_add
            REPLACE NAME_SCH WITH mname_sch,NAME_UNIV WITH mname_univ
            REPLACE NAME_FACUL WITH mname_facul,DEPARTMENT WITH mdepartment
            REPLACE REG_NUMB WITH mreg_num,YEAR ADMIT WITH myear_admit
            REPLACE EXP_YR_GRA WITH mexp_yr_gra,IDB_NUMB WITH midb_num,AGE
            WITH mage

```

```
REPLACE NO_CREDIT WITH mno_credit,NO_PASSES WITH mno_passes
REPLACE SUBJ_FAIL WITH msubj_fail,N_NALITY WITH mn_nality,SEX
WITH msex
REPLACE QUAL_OBT WITH mqual_obt,YEAR_GRAD WITH myear_grad
```

```
ENDIF
IF UPPER(YN) $ 'N'
    @ 04,02 CLEAR TO 24,79
    @ 04,02 FILL TO 24,79 COLOR N+/N+
    LOOP
ENDIF
@ 16,46 SAY 'Add More Records (Y/N) ?' COLOR RG+/N+
@ 16,72 GET TF
READ
@ 16,45 CLEAR TO 16,73
@ 16,45 FILL TO 16,73 COLOR N+/N+
IF UPPER(TF) $ 'Y'
    @ 04,02 CLEAR TO 24,79
    @ 04,02 FILL TO 24,79 COLOR N+/N+
LOOP
ELSE
SET COLO TO
CLEA
RETURN TO MASTER
ENDIF
ENDDO
@ 00,16 CLEAR TO 00,43
@ 00,16 FILL TO 00,43 COLOR W+/B+
@ 04,02 CLEAR TO 24,79
@ 04,02 FILL TO 23,79 COLOR N+/N+
@ 00,00 SAY 'Screen 3 of 24' COLOR W+/B+
EXIT
```

```
ENDDO
SET COLO TO
CLEAR
RETURN TO MASTER
***** End of procedure studadd *****
```

```
*****
###      proced. for StudRec (modify)      ###
*****
Procedure StudModi
CLOSE DATABASE
SET TALK OFF
SET INTENSITY ON
SET BORDER TO DOUBLE
SET COLOR TO
USE STUDENT
clear
DO WHILE .T.
SET COLOR TO W+/B+
@2,21 SAY "ISLAMIC EDUCATIONAL TRUST (IET) "
@3,14 SAY "STUDENTS' RECORD FOR IDB SCHOLARSHIP PROGRAMME."
```

```

        @ 00,1 FILL TO 00,79 COLOR W+/B+
@ 00,04 SAY 'Date : ' COLOR W+/B+
  @ 00,10 SAY DATE() COLOR W+/B+
  @ 00,64 SAY 'Time : ' COLOR W+/B+
  SET CLOCK TO 00,69
  DO WHILE .T.
    IF RECCOUNT() = 0
      @ 24,00 clear to 24,79
      @ 24,00 FILL TO 24,79 COLOR W+/B+
      @ 24,17 SAY 'No Enough Records To Search <Press
Return>' COLOR W+*/B+
      SET CONSOLE OFF
      WAIT
      SET CONSOLE ON
      @ 24,00 CLEAR TO 24,79
      @ 24,00 FILL TO 24,79 COLOR W+/B+
      EXIT
    ENDIF
    STORE 'Y' TO YN,TF
    STORE SPACE(5) TO midb_num
    @ 00,17 SAY STR(RECCOUNT(),4) + ' Record(s) In File'
COLOR RG+/B+
  @ 16,17 SAY 'Modify What Student Number?:' COLOR
GR+/BG+
  @ 16,45 GET midb_num PICTURE '@!'
  READ
  @ 16,10 CLEAR TO 16,79
  IF midb_num $ SPACE(5)
    ? CHR(7)
    @ 24,00 FILL TO 24,79 COLOR W+/B+
    @ 24,10 SAY 'No Null Record(s) In Database File(s)
<Return> To Continue' COLOR W+*/B+
    SET CONSOLE OFF
    WAIT
    SET CONSOLE ON
    @ 24,00 CLEAR TO 24,79
    @ 24,00 FILL TO 24,79 COLOR W+/B+
    @ 24,25 SAY 'Modify More Records(Y/N) ?' COLOR
GR+/B+
    @ 24,53 GET YN
    READ
    @ 24,00 CLEAR TO 24,79
    IF UPPER(YN) $ 'Y'
      @ 04,04 FILL TO 24,79 COLOR N+/N+
      LOOP
    ELSE
      SET COLO TO
      CLEAR
      RETURN TO MASTER
    ENDIF
  ENDIF
  @ 04,04 CLEAR TO 24,79
  @ 04,04 FILL TO 24,79 COLOR N+/N+
  LOCATE FOR IDB_NUMB = midb_num

```

COLOR GR

```

    @ 24,00 CLEAR TO 24,79
    @ 24,00 FILL TO 24,79 COLOR W+/B+
    SET CURSOR OFF
    @ 24,02 SAY 'Editing Condition Not Satisfied,
Field :- STUDENT NO, is Empty, Press <Return>' COLOR GR*+/B+
    SET CURSOR ON
    SET CONSOLE OFF
    WAIT
    SET CONSOLE ON
    @ 16,43 CLEAR TO 16,73
    @ 16,43 FILL TO 16,73 COLOR N+/N+
    @ 18,43 CLEAR TO 18,73
    @ 18,43 FILL TO 18,73 COLOR N+/N+
    @ 24,00 CLEAR TO 24,79
    @ 24,00 FILL TO 24,79 COLOR W+/B+
    ROLLBACK
    ENDIF
*      END TRANSACTION
    @ 16,45 SAY 'Modify More Records(Y/N)' COLOR W+/N+
    @ 16,70 GET YN
    READ
    @ 16,45 CLEAR TO 16,73
    @ 16,45 FILL TO 16,73 COLOR N+/N+
    IF UPPER(YN) $ 'Y'
        @ 04,04 CLEAR TO 24,79
        @ 04,04 FILL TO 24,79 COLOR N+/N+
        LOOP
    ELSE
    SET COLO TO
    CLEAR
    RETURN TO MASTER
    ENDIF
    ENDIF
    IF .NOT. FOUND()
        @ 24,00 FILL TO 24,79 COLOR W+*/B+
        SET CURSOR OFF
        @ 24,10 SAY 'No Such Record Exist In The File,
<Return> To Continue...' COLOR W+*/B+
        SET CURSOR ON
        SET CONSOLE OFF
        WAIT
        SET CONSOLE ON
        @ 24,00 CLEAR TO 24,79
        @ 24,00 FILL TO 24,79 COLOR W+/B+
        set color of fields to w+/r+
        @ 24,25 SAY 'Modify More Records (Y/N) ?' COLOR
GR+/B+
    @ 24,53 GET YN
    READ
    IF UPPER(YN) $ 'Y'
        @ 04,04 CLEAR TO 24,79
        @ 04,04 FILL TO 24,79 COLOR N+/N+
        LOOP

```

```

        IF FOUND()
*          BEGIN TRANSACTION
SET COLOR OF FIELDS TO N/W
    @ 24,00 CLEAR TO 24,79
    @ 24,25 SAY "Modify Entry :- Students' Record" COLOR
W+/B+
        SET COLOR TO W+/B+
*          @ 00,24 SAY 'Record No :' + STR(RECCOUNT(),4)
        SET BORDER TO DOUBLE
        @ 04,01 TO 23,79 COLOR RG
        SET BORDER TO SINGLE
        @ 05,19 SAY ' Personal Data ' COLOR GR+
        @ 05,54 SAY " University Education" COLOR R
        @ 06,05 TO 06,76 COLOR RG
        @ 05,42 TO 22,42 COLOR RG
set colo to w+/b+
        @ 07,3 SAY "Student Name:" GET stud_name PICT "@!"
        @ 08,3 SAY 'IDB No.:' GET idb_num PICT "@!"
        @ 09,3 SAY 'Nationality:' GET n_nality PICT "@!"
        @ 10,3 SAY 'Home Add.:' GET home_add PICT "@!"
        @ 11,3 SAY 'Mailing Add.:' GET mail_add PICT "@!"
        @ 12,3 SAY 'Age:' GET age PICT "@!"
        @ 13,3 SAY 'Sex' GET sex PICT "@!"
        @ 14,05 TO 14,41 COLOR RG
        @ 14,43 TO 14,76 COLOR RG
        @ 14,18 SAY " O' Level Education " COLOR B+
        @ 14,55 SAY " ACTION" COLOR R+
        @ 16,3 SAY 'Shool Attended:' GET name_sch PICT "@!"
        @ 17,3 SAY 'Qualification Obtained:' GET qual_obt
PICT "@!"
        @ 18,3 SAY 'Year Of Graduation:' GET year_grad PICT
"@!"
        @ 19,3 SAY 'No. Of Credits Obtained:' GET no_credit
PICT "@!"
        @ 20,3 SAY 'No. Of Passes Obtained:' GET no_passes
PICT "@!"
        @ 21,3 SAY 'No. Of Subjects Failed' GET subj_fail
PICT "@!"
        @ 07,44 SAY 'University:' GET name_univ PICT "@!"
        @ 08,44 SAY 'Faculty:' GET name_facul PICT "@!"
        @ 09,44 SAY 'Registration No.:' GET reg_num PICT
"@!"
        @ 10,44 SAY 'Department:' GET department PICT "@!"
        @ 11,44 SAY 'Year of Admission:' GET year_admit
PICT "@!"
        @ 12,44 SAY 'Expected Year Of Graduation:' GET
exp_yr_gra PICT "@!"
        READ
        IF IDB_NUMB $ SPACE(5)
            @ 16,43 CLEAR TO 16,73
            @ 16,43 FILL TO 16,73 COLOR N+/N+
            @ 16,43 SAY 'Rollback Completed Successfully'
COLOR GR
            @ 18,43 SAY ' Original Values Restored'

```

```

ELSE
SET COLO TO
CLEAR
RETURN TO MASTER
ENDIF
ENDIF
ENDDO
ENDDO
RETURN
***** End of Procedure Students' record Modify program
*****
*#####*
*### proced. for Students' Record(delete) ###*
*#####*
Procedure StudDel

SET TALK OFF
SET INTENSITY ON
SET BORDER TO DOUBLE
USE STUDENT
clear
SET COLOR TO W+/B+
@2,21 SAY "ISLAMIC EDUCATIONAL TRUST (IET)"
@3,14 SAY "STUDENTS' RECORD FOR IDB SCHOLARSHIP PROGRAMME."
@ 00,04 SAY 'Date :' COLOR N/W
@ 00,10 SAY DATE() COLOR N/W
@ 00,64 SAY 'Time :' COLOR W+/B+
SET CLOCK TO 00,69
DO WHILE .T.
SET COLOR TO
IF RECCOUNT() = 0
@ 24,00 FILL TO 24,79 COLOR W+/B+
@ 24,17 SAY 'No Enough Records To Delete, <Press
Return>' COLOR W+*/B+
SET CONSOLE OFF
WAIT
SET CONSOLE ON
SET COLO TO
CLEAR
RETURN TO MASTER
ENDIF
STORE 'Y' TO YN,TF
STORE SPACE(5) TO midb_num
@ 16,17 SAY 'Delete What Student Number :' COLOR
W+/B+
@ 16,45 GET midb_num PICTURE "@!"
READ
@ 16,10 CLEAR TO 16,79
IF midb_num $ SPACE(5)
?? CHR(7)
@ 24,00 FILL TO 24,79 COLOR W+/B+
@ 24,10 SAY 'No Null Record(s) In Database File(s)
<Return> To Continue' COLOR W+*/B+
SET CONSOLE OFF

```



```

                WAIT
                SET CONSOLE ON
                @ 24,00 CLEAR TO 24,79
                @ 24,00 FILL TO 24,79 COLOR W+/B+
                @ 24,25 SAY 'Delete More Records(Y/N) ?' COLOR
GR+/B+

                @ 24,53 GET YN
                READ
                @ 24,00 CLEAR TO 24,79
                IF UPPER(YN) $ 'Y'
                    @ 01,00 TO 03,79 double COLOR GR+
                    @ 04,00 CLEAR TO 13,79
                    @ 04,04 FILL TO 24,79 COLOR N+/N+
                    LOOP
                ELSE

SET COLO TO
CLEAR
RETURN TO MASTER
ENDIF
ENDIF
@ 04,00 CLEAR TO 13,79
LOCATE FOR IDB_NUMB=midb_num
IF FOUND()
    ? CHR(7)

    @ 24,00 CLEAR TO 24,79
    @ 24,25 SAY "Deletion of Old :- Students' Record"
COLOR W+/B+
*           SET COLOR TO W+/B+
*           @ 00,24 SAY 'Record No : ' + STR(RECCOUNT(),4)
SET COLO OF FIELDS TO N/W
SET BORDER TO DOUBLE
@ 04,01 TO 23,79 COLOR RG
SET BORDER TO SINGLE
@ 05,19 SAY ' Personal Data ' COLOR GR+
@ 05,54 SAY " University Education" COLOR R
@ 06,05 TO 06,76 COLOR RG
@ 05,42 TO 22,42 COLOR RG
@ 07,3 SAY "Student Name:" COLOR W/B+
@ 07,17 SAY stud_name PICT "@!"
@ 08,3 SAY 'IDB No.:' COLOR W/B+
@ 08,12 SAY idb_num PICT "@!"
@ 09,3 SAY 'Nationality:' COLOR W/B+
@ 09,16 SAY n_nality PICT "@!"
@ 10,3 SAY 'Home Add.:' COLOR W/B+
@ 10,15 SAY home_add PICT "@!"
@ 11,3 SAY 'Mailing Add.:' COLOR W/B+
@ 11,17 SAY mail_add PICT "@!"
@ 12,3 SAY 'Age:' COLOR W/B+
@ 12,8 SAY age PICT "@!"
@ 13,3 SAY 'Sex:' COLOR W/B+
@ 13,8 SAY sex PICT "@!"
@ 14,05 TO 14,41 COLOR RG

```

```
@ 14,43 TO 14,76 COLOR RG
@ 14,18 SAY " O' Level Education " COLOR B+
@ 14,55 SAY " ACTION" COLOR R+
@ 16,3 SAY 'School Attended:' COLOR W/B+
@ 16,20 SAY name_sch PICT "@!"
@ 17,3 SAY 'Qualification Obtained:' COLOR W/B+
@ 17,28 SAY qual_obt PICT "@!"
@ 18,3 SAY 'Year Of Graduation:' COLOR W/B+
@ 18,24 SAY year_grad PICT "@!"
@ 19,3 SAY 'No. Of Credits Obtained:' COLOR W/B+
@ 19,28 SAY no_credit PICT "@!"
@ 20,3 SAY 'No. Of Passes Obtained:' COLOR W/B+
@ 20,27 SAY no_passes PICT "@!"
@ 21,3 SAY 'No. Of Subjects Failed' COLOR W/B+
@ 21,26 SAY subj_fail PICT "@!"
@ 07,44 SAY 'University:' COLOR W/B+
@ 07,56 SAY name_univ PICT "@!"
@ 08,44 SAY 'Faculty:' COLOR W/B+
@ 08,53 SAY name_facul PICT "@!"
@ 09,44 SAY 'Registration No.:' COLOR W/B+
@ 09,62 SAY reg_numb PICT "@!"
@ 10,44 SAY 'Department:' COLOR W/B+
@ 10,56 SAY department PICT "@!"
@ 11,44 SAY 'Year of Admission:' COLOR W/B+
@ 11,63 SAY year_admit PICT "@!"
@ 12,44 SAY 'Expected Year Of Graduation:' COLOR
```

W/B+

```
@ 12,72 SAY exp_yr_gra PICT "@!"
READ
```

```
IF UPPER(YN) $ 'N'
  STORE 'Y' TO TF
  @ 04,04 CLEAR TO 24,79
  @ 04,04 FILL TO 24,79 COLOR N+/N+
  @ 24,00 CLEAR TO 24,79
  @ 24,00 FILL TO 24,79 COLOR W+/B+
  @ 24,25 SAY 'Delete More Record (Y/N) ?' COLOR
```

GR+/B+

```
@ 24,50 GET TF
READ
IF UPPER(TF) $ 'N'
```

```
SET COLO TO
  CLEAR
RETURN TO MASTER
ENDIF
ENDIF
```

```
IF UPPER(YN) $ 'Y'
  ?? CHR(7)
  @ 16,45 CLEAR TO 16,73
  @ 16,45 FILL TO 16,73 COLOR N+/N+
  @ 16,47 SAY 'Are you Sure (Y/N) ?' COLOR G+
  @ 16,68 GET TF
```

```

        READ
        IF UPPER(TF) $ 'N'
    SET COLO TO
    CLEAR
    RETURN TO MASTER
    ENDIF
    @ 16,43 CLEAR TO 16,73
    @ 16,43 FILL TO 16,73 COLOR N+/N+
    @ 24,00 FILL TO 24,79 COLOR W+/B+
    IF UPPER(TF) $ 'Y'

        DELETE
*       PACK
    STORE 'Y' TO TF
    @ 04,04 CLEAR TO 24,79
    @ 04,04 FILL TO 24,79 COLOR N+/N+
    @ 24,00 CLEAR TO 24,79
    @ 24,00 FILL TO 24,79 COLOR W+/B+
    @ 24,25 SAY 'Delete More Record (Y/N) ?' COLOR
GR+/B+
    @ 24,50 GET TF

    READ
        IF UPPER(TF) $ 'N'
    SET COLO TO
    CLEAR
    RETURN TO MASTER
    ENDIF
    ENDIF

    ENDIF
    ENDIF
    IF .NOT. FOUND()
        ?? CHR(7)
        @ 24,00 FILL TO 24,79 COLOR W+*/B+
        @ 24,10 SAY 'No Such Record Exist In The File,
<Return> To Continue...' COLOR W+*/B+
        SET CONSOLE OFF
        WAIT
        SET CONSOLE ON
        @ 24,00 CLEAR TO 24,79
        @ 24,00 FILL TO 24,79 COLOR W+/B+
        @ 24,25 SAY 'Delete More Records (Y/N) ?' COLOR
GR+/B+
        @ 24,53 GET YN
        READ
        IF UPPER(YN) $ 'Y'
            @ 04,04 CLEAR TO 23,79
            @ 04,04 FILL TO 24,79 COLOR N+/N+
            LOOP
        ELSE
    SET COLO TO
    CLEAR
    RETURN TO MASTER
    ENDIF

```

ENDIF

ENDDO

***** End of Procedure Delete *****

#####
proced. Students' record (enquiry)
#####

Procedure studenq

SET BELL OFF

SET TALK OFF

SET PRECISION TO 16

mline=0

CLEAR

USE STUDENT

SET BORDER TO DOUBLE

SET COLOR TO ,, G+

GO TOP

DO WHILE .NOT. EOF()

mline = 1

SET COLO TO RG

@ mline,17 SAY 'IDB SCHOLARSHIP PROGRAMME, IET MINNA.'

mline= 2

mline= mline + 1

@ mline,21 SAY "ENQUIRY FOR" + " STUDENTS' RECORD :- "

mline=4

mline=mline + 1

@ mline,02 SAY 'STUDENT NAME: ' color B+

@ mline,17 SAY UPPER(STUD_NAME) color w+

mline=mline + 1

@ mline,02 SAY 'IDB NO : ' color B+

@ mline,17 SAY IDB_NUMB color w+

mline=mline + 1

@ mline,02 SAY 'NATIONALITY : ' color B+

@ mline,17 SAY UPPER(N_NALITY) color w+

mline = mline + 1

@ mline,02 SAY 'SCHOOL ATTENDED : ' color B+

@ mline,20 SAY NAME_SCH PICTURE '@!' colo w+

mline=mline + 1

@ mline,02 SAY 'YEAR OF GRADUATION: ' COLO B+

@ mline,22 SAY YEAR_GRAD PICTURE '@!' COLO W+

mline=mline + 1

@ mline,02 SAY 'NAME OF UNIVERSITY: ' COLO B+

@ mline,22 SAY NAME_UNIV PICTURE '@!'

mline=mline + 1

@ mline,02 SAY 'NAME OF FACULTY: ' COLO B+

@ mline,20 SAY NAME_FACUL PICTURE '@!'

mline=mline + 1

@ mline,02 SAY 'REGISTRATION NO.: ' COLO B+

@ mline,20 SAY REG_NUMB PICTURE '@!'

mline=mline + 1

@ mline,02 SAY 'DEPARTMENT: ' COLO B+

@ mline,14 SAY DEPARTMENT PICTURE '@!'

```

mline=mline + 1
@ mline,02 SAY 'YEAR OF ADMISSION: ' COLO B+
@ mline,21 SAY YEAR_ADMIT PICTURE '@!'
mline=mline + 1
@ mline,02 SAY 'EXPECTED YEAR OF GRADUATION: ' COLO B+
@ mline,31 SAY EXP_YR_GRA PICTURE '@!'
mline = mline + 1
IF mline >= 13
    WAIT
    CLEAR
ENDIF
SKIP
ENDDO
@13,10 SAY "END OF ENQUIRY PRESS ANY KEY TO RETURN TO MAIN MENU"
WAIT ""
SET COLO TO
CLEAR
RETURN TO MASTER
***** End of Procedure Payview *****
#####
###    Proced. for Student Record (report)    ###
#####

procedure studrept

set talk off
use student
do while .not. printstatus()
    ? CHR(7)
    STORE 'Y' TO TF
    @ 18,00 FILL TO 18,77 COLOR W+/B+
    @ 18,10 SAY 'Printer Not Ready, Prepare Your Printer And Press
<Return>' color w+*/b+
    set console off
    WAIT
    set console on
    clear
    @ 9,20 SAY 'Continue To Print (Y/N) ? ' COLOR GR
    @ 9,47 GET TF
    READ
    IF UPPER(TF) $ 'N'
SET COLO TO
    CLEAR
    RETURN TO MASTER
ELSE
    clear
    loop
ENDIF
ENDDO
do while .t.
    beg=space(3)
    xnd=space(3)
    xcopy=space(3)
    store 'Y' to yn

```

```

clear
@ 7,23 say 'Begin Printing At Page ' get beg
read
if val(beg) > reccount()
    @ 18,00 fill to 18,77 color w+/b+
    @ 18,10 say '*** Page No, Out of Range, Press any key to
contniue ***' color w+/b+
    set console off
    wait
    set console on
    clear
    @ 18,00 fill to 18,77 color w+/b+
    @ 18,23 say 'Re-select Range to Print (Y/N) ?' color w+/b+
    @ 18,57 get yn
    read
    if upper(yn) $ 'Y'
        loop
    else
        if upper(yn) $ 'N'
            clear
            exit
        endif
    endif
else
    exit
endif
enddo
@ 9,23 say 'End Printing At Page ' get xnd
read
@ 11,23 say 'Copies to be Printed ' get xcopy
read
x=0
xcopies=val(xcopy)
DO WHILE xcopies <> 0
    j=val(beg)
    i=val(xnd)
    if j=0
        j=1
    endif
    if i=0
        i=reccount()
    endif
    go top
    skip-1+j
    x=x+1
    mpage=0
    do while (j<=i)
        clear
        set device to screen
        @ 06,04 say 'Number of Copies to be Printed '+ str(x,2) + '
of '+ xcopy + ' ' + 'Printing Page ' + str(j,2) + ' of ' +
str(i,2) color w+/b+
        set device to print
        mline = 1

```

```

mpage = mpage + 1
@ mline,60 SAY 'PAGE NO :' +STR(mpage,4)
mline = mline + 1
@ mline,60 SAY 'DATE :'
@ mline,67 SAY DATE()
mline = mline + 3
@ mline,17 SAY 'IDB SCHOLARSHIP PROGRAMME, IET MINNA.'
mline= mline + 2
@ mline,14 SAY "STUDENTS' RECORD GENERAL REPORT"
mline=mline+1
@mline,14 SAY "*****"
mline=mline + 3
@ mline,02 SAY 'STUDENT NAME:'
@ mline,17 SAY UPPER(STUD_NAME)
mline=mline + 1
@ mline,02 SAY 'IDB NO:'
@ mline,10 SAY IDB_NUMB
mline=mline + 1
@ mline,02 SAY 'NATIONALITY:'
@ mline,15 SAY UPPER(N_NALITY)
mline = mline + 1
@ mline,02 SAY 'SCHOOL ATTENDED:'
@ mline,19 SAY NAME_SCH PICTURE '@!'
mline=mline + 1
@ mline,02 SAY 'YEAR OF GRADUATION:'
@ mline,22 SAY YEAR_GRAD PICTURE '@!'
mline=mline + 1
@ mline,02 SAY 'NAME OF UNIVERSITY:'
@ mline,22 SAY NAME_UNIV PICTURE '@!'
mline=mline + 1
@ mline,02 SAY 'NAME OF FACULTY:'
@ mline,19 SAY NAME_FACUL PICTURE '@!'
mline=mline + 1
@ mline,02 SAY 'REGISTRATION NO:'
@ mline,19 SAY REG_NUMB PICTURE '@!'
mline=mline + 1
@ mline,02 SAY 'DEPARTMENT:'
@ mline,14 SAY DEPARTMENT PICTURE '@!'
mline = mline + 1
@ mline,02 SAY 'YEAR OF ADMISSION:'
@ mline,21 SAY YEAR_ADMIT PICTURE '@!'
mline=mline + 1
@ mline,02 SAY 'EXPECTED YEAR OF GRADUATION:'
@ mline,31 SAY EXP_YR_GRA PICTURE '@!'
* mline = mline + 4
* @ mline,00 SAY SPACE(79)
eject
if .not. eof()
    skip
endif
j=j+1
enddo
xcopies=xcopies-1
ENDDO

```

```
***** END OF STUDENT REPORT *****
#####
###      Students' Payment Record (append)  ###
#####
Procedure payadd
```

```
SET TALK OFF
SET BELL OFF
SET CURSOR ON
SET INTENSITY ON
SET BORDER TO DOUBLE
@ 00,00 CLEAR TO 00,79
USE PAYMENT.DBF
SET COLOR TO
Clear
SET COLOR TO W+/B+
@2,27 SAY "ISLAMIC EDUCATIONAL TRUST (IET)"
@3,14 SAY "STUDENTS' PAYMENT RECORD FOR IDB SCHOLARSHIP
PROGRAMME."
DO WHILE .T.
    SET COLOR OF INFORMATION TO W+/B+
    @ 00,00 FILL TO 00,79 COLOR W+/B+
    @ 00,03 SAY 'Date :' COLOR W+/B+
    @ 00,10 SAY DATE() COLOR W+/B+
    @ 00,64 SAY 'Time :' COLOR W+/B+
    SET CLOCK TO 00,69
        SET COLOR OF FIELDS TO N/W
        STORE SPACE(20) TO mstud_name,mbank
        STORE SPACE(7) TO midb_num,mtranscript
        STORE 0.00 TO
mquarter1,mquarter2,mquarter3,mquarter4,mbook_allw
        STORE SPACE(15) TO mchq_num
        DO WHILE .T.
            STORE 'Y' TO YN,TF
            @ 24,00 CLEAR TO 24,79
            @ 24,25 SAY "Data Entry :- Payment Record" COLOR W+/B+
            SET COLOR TO W+/B+
            SET BORDER TO DOUBLE
            @ 05,01 TO 21,79 COLOR RG
            set colo to w+/b+
            @ 07,5 SAY "Student Name:" GET mstud_name PICT
"@!"
            @ 08,5 SAY 'IDB No.:' GET midb_num PICT "@!"
            @ 10,5 SAY 'Name of Bank:' GET mbank PICT "@!"
            @ 11,5 SAY 'Cheque No.:' GET mchq_num PICT "@!"
            @ 13,5 SAY 'First Quarter Payment:' GET mquarter1
PICT "999,999.99"
            @ 14,5 SAY 'Second Quarter Payment:' GET mquarter2
PICT "999,999.99"
            @ 15,5 SAY 'Third Quarter Payment:' GET mquarter3
PICT "999,999.99"
            @ 16,5 SAY "Fourth Quarter Payment:" GET mquarter4
PICT "999,999.99"
            @ 18,5 SAY 'Book Allowance:' GET mbook_allw PICT
```


"999,999.99"

```
      @ 19,5 SAY 'Transcript For The Year Of:' GET
mtranscript PICT "@!"
      READ
      IF midb_numb = SPACE(5)
        @ 16,45 SAY 'Null Record Not Allowed' COLOR GR*
        @ 18,45 SAY ' Return To Continue...' COLOR GR*
        SET CONSOLE OFF
        WAIT
        SET CONSOLE ON
        @ 16,45 CLEAR TO 16,73
        @ 16,45 FILL TO 16,73 COLOR N+/N+
        @ 18,45 CLEAR TO 18,73
        @ 18,45 FILL TO 18,73 COLOR N+/N+
        @ 16,45 SAY 'Insert New Record (Y/N) ?' COLOR G+
        @ 16,72 GET YN
        READ
        @ 04,02 CLEAR TO 24,79
        @ 04,02 FILL TO 24,79 COLOR N+/N+
        @ 16,45 CLEAR TO 16,73
        @ 16,45 FILL TO 16,73 COLOR N+/N+
        @ 18,45 FILL TO 18,73 COLOR N+/N+
        IF UPPER(YN) $ 'Y'
          @ 04,02 CLEAR TO 24,79
          @ 04,02 FILL TO 24,79 COLOR N+/N+
        LOOP
      ELSE
        EXIT
      ENDIF
      @ 04,02 CLEAR TO 24,79
      @ 04,02 FILL TO 24,79 COLOR N+/N+
      @ 16,45 FILL TO 16,73 COLOR N+/N+
      @ 18,45 FILL TO 18,73 COLOR N+/N+
    ENDIF
    LOCATE FOR midb_numb = IDB_NUMB
    IF FOUND()
      @ 24,00 FILL TO 24,79 COLOR W+/B+
      @ 24,11 SAY 'No Duplicate Student Number Allowed
Press <Return> To Continue...' COLOR W+*/B+
      SET CONSOLE OFF
      WAIT
      SET CONSOLE ON
      @ 24,00 CLEAR TO 24,79
      @ 16,45 SAY 'Insert New Record (Y/N) ?' COLOR G+
      @ 16,72 GET YN
      READ
      @ 16,45 CLEAR TO 16,73
      @ 16,45 FILL TO 16,73 COLOR N+/N+
      IF UPPER(YN) $ 'Y'
        @ 04,02 CLEAR TO 24,79
        @ 04,02 FILL TO 24,79 COLOR N+/N+
      LOOP
    ELSE
```

```

SET COLO TO
CLEAR
  RETURN TO MASTER
    ENDIF
  ENDIF
  @ 16,45 SAY 'Are These Entries Ok(Y/N) ?' COLOR B+
  @ 16,73 GET YN
  READ
  @ 16,44 CLEAR TO 16,73
  @ 16,44 FILL TO 16,74 COLOR N+/N+
  IF UPPER(YN) $ 'Y'
    USE PAYMENT.DBF
    APPEND BLANK
    REPLACE STUD_NAME WITH mstud_name, IDB_NUMB WITH midb_num, BANK
    WITH mbank
    REPLACE CHQ_NUMB WITH mchq_num, QUARTER1 WITH mquarter1
    REPLACE QUARTER2 WITH mquarter2, QUARTER3 WITH mquarter3, QUARTER4
    WITH mquarter4
    REPLACE BOOK_ALLW WITH mbook_allw, TRANSCRIPT WITH mtranscript

    ENDIF
    IF UPPER(YN) $ 'N'
      @ 04,02 CLEAR TO 24,79
      @ 04,02 FILL TO 24,79 COLOR N+/N+
      LOOP
    ENDIF
    @ 16,46 SAY 'Add More Records (Y/N) ?' COLOR RG+/N+
    @ 16,72 GET TF
    READ
    @ 16,45 CLEAR TO 16,73
    @ 16,45 FILL TO 16,73 COLOR N+/N+
    IF UPPER(TF) $ 'Y'
      @ 04,02 CLEAR TO 24,79
      @ 04,02 FILL TO 24,79 COLOR N+/N+
    LOOP
  ELSE
    EXIT
  ENDIF
  ENDDO
  @ 00,16 CLEAR TO 00,43
  @ 00,16 FILL TO 00,43 COLOR W+/B+
  @ 04,02 CLEAR TO 24,79
  @ 04,02 FILL TO 23,79 COLOR N+/N+
  @ 00,00 SAY 'Screen 3 of 24' COLOR W+/B+
  EXIT
ENDDO
SET COLO TO
CLEAR
  RETURN TO MASTER
  ***** End of procedure payadd *****
  #####
  ### proced. for Student pay Record (modify) ###
  #####
  Procedure payModi

```

```

SET TALK OFF
SET INTENSITY ON
SET BORDER TO DOUBLE
SET COLOR TO
USE PAYMENT
clear
DO WHILE .T.
SET COLOR TO W+/B+
@2,21 SAY "ISLAMIC EDUCATIONAL TRUST (IET)"
@3,14 SAY "STUDENTS' RECORD FOR IDB SCHOLARSHIP PROGRAMME."
    @ 00,1 FILL TO 00,79 COLOR W+/B+
    @ 00,04 SAY 'Date :' COLOR W+/B+
        @ 00,10 SAY DATE() COLOR W+/B+
        @ 00,64 SAY 'Time :' COLOR W+/B+
    SET CLOCK TO 00,69
    DO WHILE .T.
        IF RECCOUNT() = 0
            @ 24,00 clear to 24,79
            @ 24,00 FILL TO 24,79 COLOR W+/B+
            @ 24,17 SAY 'No Enough Records To Search <Press
Return>' COLOR W+*/B+
            SET CONSOLE OFF
            WAIT
            SET CONSOLE ON
            @ 24,00 CLEAR TO 24,79
            @ 24,00 FILL TO 24,79 COLOR W+/B+
            EXIT
        ENDIF
        STORE 'Y' TO YN,TF
        STORE SPACE(5) TO midb_num
        @ 16,17 SAY 'Modify What Student Number?:' COLOR
GR+/BG+
        @ 16,45 GET midb_num PICTURE '@!'
        READ
        @ 16,10 CLEAR TO 16,79
        IF midb_num $ SPACE(5)
            ? CHR(7)
            @ 24,00 FILL TO 24,79 COLOR W+/B+
            @ 24,10 SAY 'No Null Record(s) In Database File(s)
<Return> To Continue' COLOR W+*/B+
            SET CONSOLE OFF
            WAIT
            SET CONSOLE ON
            @ 24,00 CLEAR TO 24,79
            @ 24,00 FILL TO 24,79 COLOR W+/B+
            @ 24,25 SAY 'Modify More Records(Y/N) ?' COLOR
GR+/B+
            @ 24,53 GET YN
            READ
            @ 24,00 CLEAR TO 24,79
            IF UPPER(YN) $ 'Y'
                @ 04,04 FILL TO 24,79 COLOR N+/N+
                LOOP
            ELSE

```

```

SET COLO TO
CLEAR
RETURN TO MASTER
    ENDIF
    ENDIF
    @ 04,04 CLEAR TO 24,79
    @ 04,04 FILL TO 24,79 COLOR N+/N+
    LOCATE FOR IDB_NUMB = midb_num
    IF FOUND()
*        BEGIN TRANSACTION
SET COLOR OF FIELDS TO N/W
    @ 24,00 CLEAR TO 24,79
    @ 24,25 SAY "Modify Entry :- Students' Record" COLOR
W+/B+
    set colo to w+/b+
        STORE 'Y' TO YN,TF
        @ 24,00 CLEAR TO 24,79
        @ 24,25 SAY "Data Modification:- Payment Record" COLOR
W+/B+
        SET COLOR TO W+/B+
        SET BORDER TO DOUBLE
        @ 05,01 TO 21,79 COLOR RG
    set colo to w+/b+
        @ 07,5 SAY "Student Name:" GET stud_name PICT "@!"
        @ 08,5 SAY 'IDB No.:' GET idb_num PICT "@!"
        @ 10,5 SAY 'Name of Bank:' GET bank PICT "@!"
        @ 11,5 SAY 'Cheque No.:' GET chq_num PICT "@!"
        @ 13,5 SAY 'First Quarter Payment:' GET quarter1
PICT "999,999.99"
        @ 14,5 SAY 'Second Quarter Payment:' GET quarter2
PICT "999,999.99"
        @ 15,5 SAY 'Third Quarter Payment:' GET quarter3
PICT "999,999.99"
        @ 16,5 SAY "Fourth Quarter Payment:" GET quarter4
PICT "999,999.99"
        @ 18,5 SAY 'Book Allowance:' GET book_allw PICT
"999,999.99"
        @ 19,5 SAY 'Transcript For The Year Of:' GET
transcript PICT "@!"
        READ
        IF IDB_NUMB $ SPACE(5)
            @ 16,43 CLEAR TO 16,73
            @ 16,43 FILL TO 16,73 COLOR N+/N+
            @ 16,43 SAY 'Rollback Completed Successfully'
COLOR GR
            @ 18,43 SAY '    Original Values Restored'
COLOR GR
            @ 24,00 CLEAR TO 24,79
            @ 24,00 FILL TO 24,79 COLOR W+/B+
            SET CURSOR OFF
            @ 24,02 SAY 'Editing Condition Not Satisfied,
Field :- STUDENT NO, is Empty, Press <Return>' COLOR GR*+/B+
            SET CURSOR ON
            SET CONSOLE OFF

```

```

        WAIT
        SET CONSOLE ON
        @ 16,43 CLEAR TO 16,73
        @ 16,43 FILL TO 16,73 COLOR N+/N+
        @ 18,43 CLEAR TO 18,73
        @ 18,43 FILL TO 18,73 COLOR N+/N+
        @ 24,00 CLEAR TO 24,79
        @ 24,00 FILL TO 24,79 COLOR W+/B+
        ROLLBACK
    ENDIF
*   END TRANSACTION
    @ 16,45 SAY 'Modify More Records(Y/N)' COLOR W+/N+
    @ 16,70 GET YN
    READ
    @ 16,45 CLEAR TO 16,73
    @ 16,45 FILL TO 16,73 COLOR N+/N+
    IF UPPER(YN) $ 'Y'
        @ 04,04 CLEAR TO 24,79
        @ 04,04 FILL TO 24,79 COLOR N+/N+
        LOOP
    ELSE
        SET COLO TO
        CLEAR
        RETURN TO MASTER
    ENDIF
ENDIF
IF .NOT. FOUND()
    @ 24,00 FILL TO 24,79 COLOR W+*/B+
    SET CURSOR OFF
    @ 24,10 SAY 'No Such Record Exist In The File,
<Return> To Continue...' COLOR W+*/B+
    SET CURSOR ON
    SET CONSOLE OFF
    WAIT
    SET CONSOLE ON
    @ 24,00 CLEAR TO 24,79
    @ 24,00 FILL TO 24,79 COLOR W+/B+
    set color of fields to w+/r+
    @ 24,25 SAY 'Modify More Records (Y/N) ?' COLOR
GR+/B+
    @ 24,53 GET YN
    READ
    IF UPPER(YN) $ 'Y'
        @ 04,04 CLEAR TO 24,79
        @ 04,04 FILL TO 24,79 COLOR N+/N+
        LOOP
    ELSE
        SET COLO TO
        CLEAR
        RETURN TO MASTER
    ENDIF
ENDIF
ENDDO
ENDDO

```

```

RETURN
***** End of Procedure Students' payment record Modify
program*****
#####
###proced. for Students' pay Record(delete) ###
#####
Procedure payDel

SET TALK OFF
SET INTENSITY ON
SET BORDER TO DOUBLE
USE PAYMENT
clear
SET COLOR TO W+/B+
@2,21 SAY "ISLAMIC EDUCATIONAL TRUST (IET)"
@3,14 SAY "STUDENTS' RECORD FOR IDB SCHOLARSHIP PROGRAMME."
  @ 00,04 SAY 'Date :' COLOR N/W
    @ 00,10 SAY DATE() COLOR N/W
    @ 00,64 SAY 'Time :' COLOR W+/B+
  SET CLOCK TO 00,69
  DO WHILE .T.
SET COLOR TO
  IF RECCOUNT() = 0
    @ 24,00 FILL TO 24,79 COLOR W+/B+
    @ 24,17 SAY 'No Enough Records To Delete, <Press
Return>' COLOR W+*/B+
    SET CONSOLE OFF
    WAIT
    SET CONSOLE ON

SET COLO TO
CLEAR
RETURN TO MASTER
ENDIF
STORE 'Y' TO YN,TF
STORE SPACE(5) TO midb_num
@ 16,17 SAY 'Delete What Student Number :' COLOR
W+/B+
  @ 16,45 GET midb_num PICTURE "@!"
  READ
  @ 16,10 CLEAR TO 16,79
  IF midb_num $ SPACE(5)
    ?? CHR(7)
    @ 24,00 FILL TO 24,79 COLOR W+/B+
    @ 24,10 SAY 'No Null Record(s) In Database File(s)
<Return> To Continue' COLOR W+*/B+
    SET CONSOLE OFF
    WAIT
    SET CONSOLE ON
    @ 24,00 CLEAR TO 24,79
    @ 24,00 FILL TO 24,79 COLOR W+/B+
    @ 24,25 SAY 'Delete More Records(Y/N) ?' COLOR
GR+/B+
    @ 24,53 GET YN
    READ

```

```

        @ 24,00 CLEAR TO 24,79
        IF UPPER(YN) $ 'Y'
            @ 01,00 TO 03,79 double COLOR GR+
            @ 04,00 CLEAR TO 13,79
            @ 04,04 FILL TO 24,79 COLOR N+/N+
            LOOP
        ELSE

SET COLO TO
CLEAR
RETURN TO MASTER
        ENDIF
        ENDIF
        @ 04,00 CLEAR TO 13,79
        LOCATE FOR IDB_NUMB=midb_numb
        IF FOUND()
            ? CHR(7)
            @ 24,00 CLEAR TO 24,79
            @ 24,25 SAY "Deletion of Old :- Students' Record"
COLOR W+/B+
SET COLO OF FIELDS TO N/W
        SET BORDER TO DOUBLE
        @ 05,01 TO 21,79 COLOR RG
        set colo to w+/b+
            @ 07,5 SAY "Student Name:"
            @ 07,19 SAY stud_name PICT "@!" COLOR N/W
            @ 08,5 SAY 'IDB No.:'
            @ 08,14 SAY idb_numb PICT "@!" COLOR N/W
            @ 10,5 SAY 'Name of Bank:'
            @ 10,19 SAY bank PICT "@!" COLOR N/W
            @ 11,5 SAY 'Cheque No.:'
            @ 11,17 SAY chq_numb PICT "@!" COLOR N/W
            @ 13,5 SAY 'First Quarter Payment:'
            @ 13,28 SAY quarter1 PICT "999,999.99" COLOR N/W
            @ 14,5 SAY 'Second Quarter Payment:'
            @ 14,29 SAY quarter2 PICT "999,999.99" COLOR N/W
            @ 15,5 SAY 'Third Quarter Payment:'
            @ 15,28 SAY quarter3 PICT "999,999.99" COLOR N/W
            @ 16,5 SAY "Fourth Quarter Payment:"
            @ 16,29 SAY quarter4 PICT "999,999.99" COLOR N/W
            @ 18,5 SAY 'Book Allowance:'
            @ 18,21 SAY book_allw PICT "999,999.99" COLOR N/W
            @ 19,5 SAY 'Transcript For The Year Of:'
            @ 19,33 SAY transcript PICT "@!" COLOR N/W
        READ

        IF UPPER(YN) $ 'N'
            STORE 'Y' TO TF
            @ 04,04 CLEAR TO 24,79
            @ 04,04 FILL TO 24,79 COLOR N+/N+
            @ 24,00 CLEAR TO 24,79
            @ 24,00 FILL TO 24,79 COLOR W+/B+
            @ 24,25 SAY 'Delete More Record (Y/N) ?' COLOR
GR+/B+

```

```

        @ 24,50 GET TF
    READ
        IF UPPER(TF) $ 'N'

SET COLO TO
    CLEAR
    RETURN TO MASTER
    ENDIF
ENDIF

    IF UPPER(YN) $ 'Y'
        ?? CHR(7)
        @ 16,45 CLEAR TO 16,73
        @ 16,45 FILL TO 16,73 COLOR N+/N+
        @ 16,47 SAY 'Are you Sure (Y/N) ?' COLOR G+
        @ 16,68 GET TF
        READ
        IF UPPER(TF) $ 'N'

SET COLO TO
    CLEAR
    RETURN TO MASTER
        ENDIF
        @ 16,43 CLEAR TO 16,73
        @ 16,43 FILL TO 16,73 COLOR N+/N+
        @ 24,00 FILL TO 24,79 COLOR W+/B+
        IF UPPER(TF) $ 'Y'

        DELETE
*       PACK
        STORE 'Y' TO TF
            @ 04,04 CLEAR TO 24,79
            @ 04,04 FILL TO 24,79 COLOR N+/N+
            @ 24,00 CLEAR TO 24,79
            @ 24,00 FILL TO 24,79 COLOR W+/B+
            @ 24,25 SAY 'Delete More Record (Y/N) ?' COLOR
GR+/B+
            @ 24,50 GET TF
        READ
            IF UPPER(TF) $ 'N'
        SET COLO TO
            CLEAR
        RETURN TO MASTER
            ENDIF
        ENDIF

ENDIF
ENDIF
    IF .NOT. FOUND()
        ?? CHR(7)
        @ 24,00 FILL TO 24,79 COLOR W+*/B+
        @ 24,10 SAY 'No Such Record Exist In The File,
<Return> To Continue...' COLOR W+*/B+
        SET CONSOLE OFF
        WAIT

```



```

                SET CONSOLE ON
                @ 24,00 CLEAR TO 24,79
                @ 24,00 FILL TO 24,79 COLOR W+/B+
                @ 24,25 SAY 'Delete More Records (Y/N) ?' COLOR
GR+/B+
                @ 24,53 GET YN
                READ
                IF UPPER(YN) $ 'Y'
                    @ 04,04 CLEAR TO 23,79
                    @ 04,04 FILL TO 24,79 COLOR N+/N+
                    LOOP
                ELSE
SET COLO TO
    CLEAR
    RETURN TO MASTER
        ENDIF
    ENDIF
    SET BORDER TO DOUBLE
    @ 00,16 FILL TO 00,43 COLOR W+/B+
    CLOSE DATABASES
ENDDO
RETURN
***** End of Procedure payment Delete *****

```

```

*****
*#####*
*###    proced. for Payment(enquiry)    *###*
*#####*

```

procedure Payenq

```

SET BELL OFF
SET TALK OFF
SET PRECISION TO 16
USE PAYMENT
STORE 0.00 TO mallqtpay,mtotalpay,macuqtpay,macubookal,mtotalamt
mline=0
CLEAR
SET BORDER TO DOUBLE
SET COLOR TO ,, G+
GO TOP
DO WHILE .NOT. EOF()
    mline = 1
    SET COLO TO RG
    @ mline,17 SAY 'ISLAMIC EDUCATION TRUST (IET), MINNA'
    mline= mline + 1
    @ mline,14 SAY "STUDENTS PAYMENT RECORD FOR IDB SCHOLARSHIP
SCHEME "
    mline=mline + 1
    @ mline,02 SAY "
    mline=mline+1
    @ mline,02 SAY 'STUDENT NAME : ' color w

```

```

@ mline,17 SAY UPPER(STUD_NAME)                color w+
mline=mline + 1
@ mline,02 SAY 'IDB NUMBER      : ' color w
@ mline,17 SAY IDB_NUMB  color w+
mline=mline + 1
@ mline,02 SAY 'NAME OF BANK   : ' color w
@ mline,17 SAY UPPER(BANK)  color w+
mline = mline + 1
macuqtpay=macuqtpay+ QUARTER1+QUARTER2+QUARTER3+QUARTER4
@ mline,02 SAY 'CHEQUE NO.     : ' color w
@ mline,17 SAY  CHQ_NUMB PICTURE '@!' color w+
mline=mline + 1
@ mline,02 SAY "                                "
mline=mline+1
@ mline,25 SAY " PAYMENTS " color r+*
mline=mline+1
@ mline,18 SAY 'FIRST QUARTER PAYMENT : '
@ mline,42 SAY QUARTER1 PICTURE '9,999.99'
mline=mline + 1
@ mline,18 SAY 'SECOND QUARTER PAYMENT : '
@ mline,42 SAY QUARTER2  PICTURE '9,999.99'
mline=mline + 1
@ mline,18 SAY 'THIRD QUARTER PAYMENT : '
@ mline,42 SAY QUARTER3 PICTURE '9,999.99'
mline=mline + 1
@ mline,18 SAY 'FOURTH QUARTER PAYMENT : '
@ mline,42 SAY QUARTER4 PICTURE '9,999.99'
mline=mline + 1
@ mline,18 SAY 'BOOK ALLOWANCE      : '
@ mline,42 SAY BOOK_ALLW  PICTURE '9,999.99'
mline=mline + 1
@mline,02 SAY "                                "
mline=mline+1
@ mline,02 SAY 'TRANSCRIPT FOR THE YEAR OF : 'color w
@ mline,31 SAY TRANSCRIPT PICTURE '@!' color w+
macubookal= macubookal+BOOK_ALLW
mtotalamt=macubookal+macuqtpay
IF mline >= 15
    WAIT
    CLEAR
ENDIF
SKIP
ENDDO
CLEAR
mline = 9
YN='Y'
SET COLOR TO RG
@ mline,12 SAY 'Do You Want To View Summary/Analysis of Payment'
GET YN
READ
IF UPPER(YN) $ 'N'
    CLEAR
    DEACTIVATE WINDOW WinText
    RETURN

```

```

ENDIF
CLEAR
mline = 15
GO TOP
DO WHILE .NOT. EOF()
  IF mline >= 15
    mline = 1
    @ mline,20 SAY 'ISLAMIC EDUCATION TRUST, MINNA.'
    mline = mline + 1
    @ mline,20 SAY '*****'
    mline = mline + 2
    @ mline,08 SAY 'SUMMARY REPORT FOR THE PAYMENT OF SCHOLARSHIP
FOR THE YEAR'
    mline=mline + 3

@ mline,15 SAY 'TOTAL QUARTERLY PAYMENT      : '          COLOR
W+
@ mline,42 SAY macuqtpay PICTURE '999,999.99'          COLOR RG
mline = mline + 2
@ mline,15 SAY 'TOTAL BOOK ALLOWANCES      : ' COLOR W+
@ mline,42 SAY macubookal PICTURE '999,999.99' COLOR RG
mline = mline + 1
@ mline,42 SAY '===== ' COLOR W+
mline=mline + 1
@ mline,15 SAY 'TOTAL AMOUNT PAYABLE      : ' COLOR W+
@ mline,42 SAY mtotalamt PICTURE '999,999.99' COLOR B+
mline = mline + 1
@ mline,42 SAY '===== ' COLOR W+
WAIT
SET COLO TO
CLEAR
RETURN TO MASTER
ENDIF
ENDDO
***** End of Procedure Payenq*****
#####
###   Proced. for Student Record (report)   ###
#####

procedure payrept

set talk off
use payment
STORE 0.00 TO mallqtpay,mtotalpay,macuqtpay,macubookal,mtotalamt
do while .not. printstatus()
  ? CHR(7)
  STORE 'Y' TO TF
  @ 18,00 FILL TO 18,77 COLOR W+/B+
  @ 18,10 SAY 'Printer Not Ready, Prepare Your Printer And Press
<Return>' color w+*/b+
  set console off
  WAIT
  set console on
  clear

```

```

@ 9,20 SAY 'Continue To Print (Y/N) ? ' COLOR GR
@ 9,47 GET TF
READ
IF UPPER(TF) $ 'N'
SET COLO TO
    CLEAR
    RETURN TO MASTER
ELSE
    clear
    loop
ENDIF
ENDDO
do while .t.
    beg=space(3)
    xnd=space(3)
    xcopy=space(3)
    store 'Y' to yn
    clear
    @ 7,23 say 'Begin Printing At Page ' get beg
    read
    if val(beg) > reccount()
        @ 18,00 fill to 18,77 color w+/b+
        @ 18,10 say '*** Page No, Out of Range, Press any key to
contniue ***' color w+/b+
        set console off
        wait
        set console on
        clear
        @ 18,00 fill to 18,77 color w+/b+
        @ 18,23 say 'Re-select Range to Print (Y/N) ?' color w+/b+
        @ 18,57 get yn
        read
        if upper(yn) $ 'Y'
            loop
        else
            if upper(yn) $ 'N'
                clear
                exit
            endif
        endif
    else
        exit
    endif
enddo
@ 9,23 say 'End Printing At Page ' get xnd
read
@ 11,23 say 'Copies to be Printed ' get xcopy
read
x=0
xcopies=val(xcopy)
DO WHILE xcopies <> 0
    j=val(beg)
    i=val(xnd)
    if j=0

```

```

        j=1
    endif
    if i=0
        i=reccount()
    endif
    go top
    skip-1+j
    x=x+1
    mpage=0
do while (j<=i)
    clear
    set device to screen
    @ 06,04 say 'Number of Copies to be Printed '+ str(x,2) + '
of '+ xcopy + ' '+ 'Printing Page ' + str(j,2) + ' of ' +
str(i,2) color w+/b+
    set device to print
    mline = 1
    mpage = mpage + 1
    @ mline,60 SAY 'PAGE NO :' +STR(mpage,4)
    mline = mline + 1
    @ mline,60 SAY 'DATE :'
    @ mline,67 SAY DATE()
    mline = mline + 3
*DO WHILE .NOT. EOF()
    SET COLO TO RG
    @ mline,17 SAY 'ISLAMIC EDUCATION TRUST (IET), MINNA'
    mline= mline + 1
    @ mline,14 SAY "STUDENTS PAYMENT RECORD FOR IDB SCHOLARSHIP
SCHEME "
    mline=mline + 1
    @ mline,02 SAY " "
    mline=mline+1
    @ mline,02 SAY 'STUDENT NAME : ' color w
    @ mline,17 SAY UPPER(STUD_NAME) color w+
    mline=mline + 1
    @ mline,02 SAY 'IDB NUMBER : ' color w
    @ mline,17 SAY IDB_NUMB color w+
    mline=mline + 1
    @ mline,02 SAY 'NAME OF BANK : ' color w
    @ mline,17 SAY UPPER(BANK) color w+
    mline = mline + 1
    macuqtpay=macuqtpay+ QUARTER1+QUARTER2+QUARTER3+QUARTER4
    @ mline,02 SAY 'CHEQUE NO. : ' color w
    @ mline,17 SAY CHQ_NUMB PICTURE '@!' color w+
    mline=mline + 1
    @ mline,02 SAY " "
    mline=mline+1
    @ mline,25 SAY " PAYMENTS " color r+*
    mline=mline+1
    @ mline,18 SAY 'FIRST QUARTER PAYMENT : '
    @ mline,42 SAY QUARTER1 PICTURE '9,999.99'
    mline=mline + 1
    @ mline,18 SAY 'SECOND QUARTER PAYMENT : '
    @ mline,42 SAY QUARTER2 PICTURE '9,999.99'

```

```

mline=mline + 1
@ mline,18 SAY 'THIRD QUARTER PAYMENT : '
@ mline,42 SAY QUARTER3 PICTURE '9,999.99'
mline=mline + 1
@ mline,18 SAY 'FOURTH QUARTER PAYMENT : '
@ mline,42 SAY QUARTER4 PICTURE '9,999.99'
mline=mline + 1
@ mline,18 SAY 'BOOK ALLOWANCE : '
@ mline,42 SAY BOOK_ALLW PICTURE '9,999.99'
mline=mline + 1
@mline,02 SAY " "
mline=mline+1
@ mline,02 SAY 'TRANSCRIPT FOR THE YEAR OF : 'color w
@ mline,31 SAY TRANSCRIPT PICTURE '@!' color w+
mline=mline+2
@ mline,60 SAY 'SIGN _____'
mline = mline + 4
@ mline,00 SAY SPACE(79)
eject
if .not. eof()
skip
endif
j=j+1
enddo
xcopies=xcopies-1
ENDDO
mline= 1
@ mline,10 SAY 'PAYMENT ANALYSIS FOR THE MONTH OF ' + ' ' +
TRIM(UPPER(CMONTH(DATE()))) + ' ' + STR(YEAR(DATE()),4)
mline=mline + 1
@ mline,10 SAY '***** ***** *** *** ***** ** ***** *****'
mline = mline + 3
@ mline,15 SAY 'TOTAL QUARTERLY PAYMENT : ' COLOR
W+
@ mline,42 SAY macuqtpay PICTURE '999,999.99' COLOR RG
mline = mline + 2
@ mline,15 SAY 'TOTAL BOOK ALLOWANCES : ' COLOR W+
@ mline,42 SAY macubookal PICTURE '999,999.99' COLOR RG
mline = mline + 1
@ mline,42 SAY '===== ' COLOR W+
mline=mline + 1
@ mline,15 SAY 'TOTAL AMOUNT PAYABLE : ' COLOR W+
@ mline,42 SAY mtotalamt PICTURE '999,999.99' COLOR B+
mline = mline + 1
@ mline,42 SAY '===== ' COLOR W+
mline=mline + 10
@ mline,15 SAY ' _____ '
@ mline,50 SAY ' _____ '
mline=mline + 1
@ mline,15 SAY 'ACCOUNTANT'
@ mline,50 SAY 'CHAIRMAN'
mline= mline + 6
@ mline,30 SAY 'END OF REPORT'
mline=mline + 1

```

```
@ mline,30 SAY '*** ** *****'  
mline = mline + 1  
@ mline,00 SAY SPACE(79)  
SET DEVICE TO SCREEN  
SET COLO TO  
  CLEAR  
RETURN TO MASTER  
***** End of Procedure. Payrept.prg *****  
  
*****End of program *****
```

Appendix A

PAGE NO : 1
DATE : 06/11/98

IDB SCHOLARSHIP PROGRAMME, IET MINNA.

STUDENTS' RECORD GENERAL REPORT

STUDENT NAME: NDAKPAKI USMAN ENEGI
ID: 440
NATIONALITY: NIGERIAN
SCHOOL ATTENDED: GOVT. COLLEGE, BIDA.
YEAR OF GRADUATION: 1990
UNIVERSITY OF ATTENDANCE: A.B.U. SAMARU, ZARIA.
FACULTY: ARTS & SOCIAL SCIENCE
REGISTRATION NO: 91/6980
DEPARTMENT: POLITICAL SCIENCE
YEAR OF ADMISSION: 1991
COMPLETED YEAR OF GRADUATION: 1997

Appendix B

PAGE NO : 2
DATE : 06/11/98

IDB SCHOLARSHIP PROGRAMME, IET MINNA.

STUDENTS' RECORD GENERAL REPORT

STUDENT NAME: ZARUMAI KAMPANI BAWA
MID: 111
NATIONALITY: NIGERIAN
SCHOOL ATTENDED: G.D.S.S. KUTA N/STATE
YEAR OF GRADUATION: 1996
UNIVERSITY OF: FED. UNITEC. MINNA.
FACULTY OF: SCIENCE EDUCATION
REGISTRATION NO: 96/1234
DEPARTMENT: MICROBIOLOGY
YEAR OF ADMISSION: 1996
GRADUATION YEAR: 2001

Appendix C

PAGE NO : 3
DATE : 06/11/98

IDB SCHOLARSHIP PROGRAMME, IET MINNA.

STUDENTS' RECORD GENERAL REPORT

NT NAME: JUMMAI DANAZUMI BABA
O: 123
NALITY: NIGERIAN
L ATTENDED: G.D.S.S. MAITUMBI MINNA
OF GRADUATION: 1996
OF UNIVERSITY: UNIVERSITY OF ABUJA.
OF FACULTY: LAW
TRATION NO: 96/5555
TMENT: SHARIA LAW
OF ADMISSION: 1996
TED YEAR OF GRADUATION: 2000

Appendix D

PAGE NO : 1
DATE : 06/11/98

ISLAMIC EDUCATION TRUST (IET), MINNA
STUDENTS PAYMENT RECORD FOR IDB SCHOLARSHIP SCHEME

STUDENT NAME : MOHAMMED BABA DOGO
ID NUMBER : 330
NAME OF BANK : BANK OF THE NORTH
ACCOUNT NO. : 01-324-435-08

PAYMENTS

FIRST QUARTER PAYMENT	: 2,000.00
SECOND QUARTER PAYMENT	: 2,000.00
THIRD QUARTER PAYMENT	: 2,000.00
FOURTH QUARTER PAYMENT	: 2,000.00
BOOK ALLOWANCE	: 5,000.00

STATEMENT FOR THE YEAR OF : 1997

SIGN _____

Appendix E

PAYMENT ANALYSIS FOR THE MONTH OF JUNE 1998
***** ** ***** ** ***** ** ***** ** *****

TOTAL QUARTERLY PAYMENT	:	8,000.00
TOTAL BOOK ALLOWANCES	:	5,000.00
		=====
TOTAL AMOUNT PAYABLE	:	13,000.00
		=====

ACCOUNTANT

CHAIRMAN

END OF REPORT
*** ** *****