//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

//                   HEADER FILE USED IN PROJECT

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

#include<fstream.h>

#include<conio.h>

#include<stdio.h>

#include<process.h>

#include<string.h>

#include<iomanip.h>

#include<ctype.h>

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

//                   CLASS USED IN PROJECT

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

class book

{

char bno[6];

char bname[50];

char aname[20];

 public:

void create\_book()

{

cout<<"\nNEW BOOK ENTRY...\n";

cout<<"\nEnter The book no.";

cin>>bno;

cout<<"\n\nEnter The Name of The Book ";

gets(bname);

cout<<"\n\nEnter The Author's Name ";

gets(aname);

cout<<"\n\n\nBook Created..";

}

void show\_book()

{

cout<<"\nBook no. : "<<bno;

cout<<"\nBook Name : ";

puts(bname);

cout<<"Author Name : ";

puts(aname);

}

void modify\_book()

{

cout<<"\nBook no. : "<<bno;

cout<<"\nModify Book Name : ";

gets(bname);

cout<<"\nModify Author's Name of Book : ";

gets(aname);

}

char\* retbno()

{

return bno;

}

void report()

{cout<<bno<<setw(30)<<bname<<setw(30)<<aname<<endl;}

};         //class ends here

class student

{

char admno[6];

char name[20];

char stbno[6];

int token;

public:

void create\_student()

{

clrscr();

cout<<"\nNEW STUDENT ENTRY...\n";

cout<<"\nEnter The admission no. ";

cin>>admno;

cout<<"\n\nEnter The Name of The Student ";

gets(name);

token=0;

stbno[0]='/0';

cout<<"\n\nStudent Record Created..";

}

void show\_student()

{

cout<<"\nAdmission no. : "<<admno;

cout<<"\nStudent Name : ";

puts(name);

cout<<"\nNo of Book issued : "<<token;

if(token==1)

cout<<"\nBook No "<<stbno;

}

void modify\_student()

{

cout<<"\nAdmission no. : "<<admno;

cout<<"\nModify Student Name : ";

gets(name);

}

char\* retadmno()

{

return admno;

}

char\* retstbno()

{

return stbno;

}

int rettoken()

{

return token;

}

void addtoken()

{token=1;}

void resettoken()

{token=0;}

void getstbno(char t[])

{

strcpy(stbno,t);

}

void report()

{cout<<"\t"<<admno<<setw(20)<<name<<setw(10)<<token<<endl;}

};         //class ends here

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

//     global declaration for stream object, object

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

fstream fp,fp1;

book bk;

student st;

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

//     function to write in file

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

void write\_book()

{

char ch;

fp.open("book.dat",ios::out|ios::app);

do

{

clrscr();

bk.create\_book();

fp.write((char\*)&bk,sizeof(book));

cout<<"\n\nDo you want to add more record..(y/n?)";

cin>>ch;

}while(ch=='y'||ch=='Y');

fp.close();

}

void write\_student()

{

char ch;

fp.open("student.dat",ios::out|ios::app);

do

{

st.create\_student();

fp.write((char\*)&st,sizeof(student));

cout<<"\n\ndo you want to add more record..(y/n?)";

cin>>ch;

}while(ch=='y'||ch=='Y');

fp.close();

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

//     function to read specific record from file

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

void display\_spb(char n[])

{

cout<<"\nBOOK DETAILS\n";

int flag=0;

fp.open("book.dat",ios::in);

while(fp.read((char\*)&bk,sizeof(book)))

{

if(strcmpi(bk.retbno(),n)==0)

{

bk.show\_book();

flag=1;

}

}

fp.close();

if(flag==0)

cout<<"\n\nBook does not exist";

getch();

}

void display\_sps(char n[])

{

cout<<"\nSTUDENT DETAILS\n";

int flag=0;

fp.open("student.dat",ios::in);

while(fp.read((char\*)&st,sizeof(student)))

{

if((strcmpi(st.retadmno(),n)==0))

{

st.show\_student();

flag=1;

}

}

fp.close();

if(flag==0)

    cout<<"\n\nStudent does not exist";

getch();

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

//     function to modify record of file

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

void modify\_book()

{

char n[6];

int found=0;

clrscr();

cout<<"\n\n\tMODIFY BOOK REOCORD.... ";

cout<<"\n\n\tEnter The book no. of The book";

cin>>n;

fp.open("book.dat",ios::in|ios::out);

while(fp.read((char\*)&bk,sizeof(book)) && found==0)

{

if(strcmpi(bk.retbno(),n)==0)

{

bk.show\_book();

cout<<"\nEnter The New Details of book"<<endl;

bk.modify\_book();

int pos=-1\*sizeof(bk);

    fp.seekp(pos,ios::cur);

    fp.write((char\*)&bk,sizeof(book));

    cout<<"\n\n\t Record Updated";

    found=1;

}

}

    fp.close();

    if(found==0)

    cout<<"\n\n Record Not Found ";

    getch();

}

void modify\_student()

{

char n[6];

int found=0;

clrscr();

cout<<"\n\n\tMODIFY STUDENT RECORD... ";

cout<<"\n\n\tEnter The admission no. of The student";

cin>>n;

fp.open("student.dat",ios::in|ios::out);

while(fp.read((char\*)&st,sizeof(student)) && found==0)

{

if(strcmpi(st.retadmno(),n)==0)

{

st.show\_student();

cout<<"\nEnter The New Details of student"<<endl;

st.modify\_student();

int pos=-1\*sizeof(st);

fp.seekp(pos,ios::cur);

fp.write((char\*)&st,sizeof(student));

cout<<"\n\n\t Record Updated";

found=1;

}

}

fp.close();

if(found==0)

cout<<"\n\n Record Not Found ";

getch();

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

//     function to delete record of file

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

void delete\_student()

{

char n[6];

int flag=0;

clrscr();

    cout<<"\n\n\n\tDELETE STUDENT...";

    cout<<"\n\nEnter The admission no. of the Student You Want To Delete : ";

    cin>>n;

    fp.open("student.dat",ios::in|ios::out);

    fstream fp2;

    fp2.open("Temp.dat",ios::out);

    fp.seekg(0,ios::beg);

    while(fp.read((char\*)&st,sizeof(student)))

{

if(strcmpi(st.retadmno(),n)!=0)

     fp2.write((char\*)&st,sizeof(student));

else

   flag=1;

}

fp2.close();

    fp.close();

    remove("student.dat");

    rename("Temp.dat","student.dat");

    if(flag==1)

     cout<<"\n\n\tRecord Deleted ..";

    else

     cout<<"\n\nRecord not found";

    getch();

}

void delete\_book()

{

char n[6];

clrscr();

cout<<"\n\n\n\tDELETE BOOK ...";

cout<<"\n\nEnter The Book no. of the Book You Want To Delete : ";

cin>>n;

fp.open("book.dat",ios::in|ios::out);

fstream fp2;

fp2.open("Temp.dat",ios::out);

fp.seekg(0,ios::beg);

while(fp.read((char\*)&bk,sizeof(book)))

{

if(strcmpi(bk.retbno(),n)!=0)

{

fp2.write((char\*)&bk,sizeof(book));

}

}

fp2.close();

    fp.close();

    remove("book.dat");

    rename("Temp.dat","book.dat");

    cout<<"\n\n\tRecord Deleted ..";

    getch();

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

//     function to display all students list

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

void display\_alls()

{

clrscr();

     fp.open("student.dat",ios::in);

     if(!fp)

     {

       cout<<"ERROR!!! FILE COULD NOT BE OPEN ";

       getch();

       return;

     }

cout<<"\n\n\t\tSTUDENT LIST\n\n";

cout<<"==================================================================\n";

cout<<"\tAdmission No."<<setw(10)<<"Name"<<setw(20)<<"Book Issued\n";

cout<<"==================================================================\n";

while(fp.read((char\*)&st,sizeof(student)))

{

st.report();

}

fp.close();

getch();

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

//     function to display Books list

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

void display\_allb()

{

clrscr();

fp.open("book.dat",ios::in);

if(!fp)

{

cout<<"ERROR!!! FILE COULD NOT BE OPEN ";

       getch();

       return;

     }

cout<<"\n\n\t\tBook LIST\n\n";

cout<<"=========================================================================\n";

cout<<"Book Number"<<setw(20)<<"Book Name"<<setw(25)<<"Author\n";

cout<<"=========================================================================\n";

while(fp.read((char\*)&bk,sizeof(book)))

{

bk.report();

}

     fp.close();

     getch();

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

//     function to issue book

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

void book\_issue()

{

char sn[6],bn[6];

int found=0,flag=0;

clrscr();

cout<<"\n\nBOOK ISSUE ...";

cout<<"\n\n\tEnter The student's admission no.";

cin>>sn;

fp.open("student.dat",ios::in|ios::out);

    fp1.open("book.dat",ios::in|ios::out);

    while(fp.read((char\*)&st,sizeof(student)) && found==0)

       {

if(strcmpi(st.retadmno(),sn)==0)

{

found=1;

if(st.rettoken()==0)

{

      cout<<"\n\n\tEnter the book no. ";

cin>>bn;

while(fp1.read((char\*)&bk,sizeof(book))&& flag==0)

{

   if(strcmpi(bk.retbno(),bn)==0)

{

bk.show\_book();

flag=1;

st.addtoken();

st.getstbno(bk.retbno());

       int pos=-1\*sizeof(st);

fp.seekp(pos,ios::cur);

fp.write((char\*)&st,sizeof(student));

cout<<"\n\n\t Book issued successfully\n\nPlease Note: Write the current date in backside of your book and submit within 15 days fine Rs. 1 for each day after 15 days period";

}

    }

  if(flag==0)

    cout<<"Book no does not exist";

}

    else

  cout<<"You have not returned the last book ";

}

}

      if(found==0)

cout<<"Student record not exist...";

getch();

  fp.close();

  fp1.close();

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

//     function to deposit book

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

void book\_deposit()

{

   char sn[6],bn[6];

   int found=0,flag=0,day,fine;

   clrscr();

   cout<<"\n\nBOOK DEPOSIT ...";

   cout<<"\n\n\tEnter The student's admission no.";

   cin>>sn;

   fp.open("student.dat",ios::in|ios::out);

   fp1.open("book.dat",ios::in|ios::out);

   while(fp.read((char\*)&st,sizeof(student)) && found==0)

      {

   if(strcmpi(st.retadmno(),sn)==0)

   {

   found=1;

   if(st.rettoken()==1)

   {

while(fp1.read((char\*)&bk,sizeof(book))&& flag==0)

{

  if(strcmpi(bk.retbno(),st.retstbno())==0)

{

bk.show\_book();

flag=1;

cout<<"\n\nBook deposited in no. of days";

cin>>day;

if(day>15)

{

  fine=(day-15)\*1;

  cout<<"\n\nFine has to deposited Rs. "<<fine;

}

st.resettoken();

int pos=-1\*sizeof(st);

fp.seekp(pos,ios::cur);

fp.write((char\*)&st,sizeof(student));

cout<<"\n\n\t Book deposited successfully";

}

   }

 if(flag==0)

   cout<<"Book no does not exist";

     }

else

cout<<"No book is issued..please check!!";

}

  }

     if(found==0)

cout<<"Student record not exist...";

getch();

 fp.close();

 fp1.close();

 }

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

//     INTRODUCTION FUNCTION

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

void intro()

{

clrscr();

cout<<"\n +++++++++++++++++++++++++++++++++++++++\*++++++++++++++++++++++++++++++++++++++";

cout<<"\n +                   \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*                  +";

cout<<"\n +                  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*                 +";

cout<<"\n +                 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*                +";

cout<<"\n +                \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*               +";

cout<<"\n +               \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*              +";

cout<<"\n +              \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*             +";

cout<<"\n +             \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*WELCOME\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*            +";

cout<<"\n +              \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*             +";

cout<<"\n +               \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*              +";

cout<<"\n +                \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*               +";

cout<<"\n +                 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*                +";

cout<<"\n +                   \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*                  +";

cout<<"\n +++++++++++++++++++++++++++++++++++++++\*++++++++++++++++++++++++++++++++++++++";

cout<<"\n\n\t\t\t    LIBRARY";

cout<<"\n\n\t\t\t\t    MANAGEMENT";

cout<<"\n\n\t\t\t\t\t    PROJECT";

cout<<"\n MADE BY :ANUPAM.TIWARI";

cout<<"\n CLASS 12-A";

cout<<"\n SHOOL : LAXMI INTERNATIONAL SCHOOL";

cout<<"\n \t\t\t\t\t\tPress any key to continue";

getch();

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

//     ADMINISTRATOR MENU FUNCTION

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

void admin\_menu()

{

clrscr();

int ch2;

cout<<"\n\n\n\tADMINISTRATOR MENU";

cout<<"\n\n\t1.CREATE STUDENT RECORD";

cout<<"\n\n\t2.DISPLAY ALL STUDENTS RECORD";

cout<<"\n\n\t3.DISPLAY SPECIFIC STUDENT RECORD ";

cout<<"\n\n\t4.MODIFY STUDENT RECORD";

cout<<"\n\n\t5.DELETE STUDENT RECORD";

cout<<"\n\n\t6.CREATE BOOK ";

cout<<"\n\n\t7.DISPLAY ALL BOOKS ";

cout<<"\n\n\t8.DISPLAY SPECIFIC BOOK ";

cout<<"\n\n\t9.MODIFY BOOK ";

cout<<"\n\n\t10.DELETE BOOK ";

cout<<"\n\n\t11.BACK TO MAIN MENU";

cout<<"\n\n\tPlease Enter Your Choice (1-11) ";

cin>>ch2;

switch(ch2)

{

    case 1: clrscr();

    write\_student();break;

    case 2: display\_alls();break;

    case 3:

       char num[6];

       clrscr();

       cout<<"\n\n\tPlease Enter The Admission No. ";

       cin>>num;

       display\_sps(num);

       break;

      case 4: modify\_student();break;

      case 5: delete\_student();break;

case 6: clrscr();

write\_book();break;

case 7: display\_allb();break;

case 8: {

       char num[6];

       clrscr();

       cout<<"\n\n\tPlease Enter The book No. ";

       cin>>num;

       display\_spb(num);

       break;

}

      case 9: modify\_book();break;

      case 10: delete\_book();break;

     case 11: return;

      default:cout<<"\a";

   }

   admin\_menu();

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

//     THE MAIN FUNCTION OF PROGRAM

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

void main()

{

char ch;

intro();

do

{

clrscr();

cout<<"\n\n\n\tMAIN MENU";

cout<<"\n\n\t01. BOOK ISSUE";

cout<<"\n\n\t02. BOOK DEPOSIT";

  cout<<"\n\n\t03. ADMINISTRATOR MENU";

  cout<<"\n\n\t04. EXIT";

  cout<<"\n\n\tPlease Select Your Option (1-4) ";

  ch=getche();

  switch(ch)

  {

case '1':clrscr();

book\_issue();

   break;

  case '2':book\_deposit();

    break;

  case '3':admin\_menu();

break;

  case '4':exit(0);

  default :cout<<"\a";

}

    }while(ch!='4');

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

//     END OF PROJECT

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*