#include<iostream>

#include<stdio.h>

#include<stdlib.h>

#include<fstream>

#include<string.h>

#include<conio.h>

using namespace std;

class Lib

{

public:

char bookname[100],auname[50],sc[20],sc1[50];

int q,B,p;

Lib()

{

strcpy(bookname,"NO Book Name");

strcpy(auname,"No Author Name");

strcpy(sc,"No Book ID");

strcpy(sc1,"No Book ID");

q=0;

B=0;

p=0;

}

void get();

void student();

void pass();

void librarian();

void password();

void getdata();

void show(int);

void booklist(int);

void modify();

void see(int);

int branch(int);

void issue();

void der(char[],int,int);

void fine(int,int,int,int,int,int);

};

void Lib::getdata()

{

int i;

fflush(stdin);

cout<<"\n\t\tEnter the details :-\n";

cout<<"\n\t\tEnter Book's Name : ";

cin.getline(bookname,100);

for(i=0;bookname[i]!='\0';i++)

{

if(bookname[i]>='a'&&bookname[i]<='z')

bookname[i]-=32;

}

cout<<"\n\t\tEnter Author's Name : ";

cin.getline(auname,50);

cout<<"\n\t\tEnter Publication name : ";

cin.getline(sc1,50);

cout<<"\n\t\tEnter Book's ID : ";

cin.getline(sc,20);

cout<<"\n\t\tEnter Book's Price : ";

cin>>p;

cout<<"\n\t\tEnter Book's Quantity : ";

cin>>q;

}

void Lib::show(int i)

{

cout<<"\n\t\tBook Name : "<<bookname<<endl;

cout<<"\n\t\tBook's Author Name : "<<auname<<endl;

cout<<"\n\t\tBook's ID : "<<sc<<endl;

cout<<"\n\t\tBook's Publication : "<<sc1<<endl;

if(i==2)

{

cout<<"\n\t\tBook's Price : "<<p<<endl;

cout<<"\n\t\tBook's Quantity : "<<q<<endl;

}

}

void Lib::booklist(int i)

{

int b,r=0;

system("cls");

b=branch(i);

system("cls");

ifstream intf("Booksdata.txt",ios::binary);

if(!intf)

cout<<"\n\t\tFile Not Found.";

else

{

cout<<"\n\t \*\*\*\*\*\*\*\*\*\*\*\* Book List \*\*\*\*\*\*\*\*\*\*\*\* \n\n";

intf.read((char\*)this,sizeof(\*this));

while(!intf.eof())

{

if(b==B)

{

if(q==0 && i==1)

{

}

else

{

r++;

cout<<"\n\t\t\*\*\*\*\*\*\*\*\*\* "<<r<<". \*\*\*\*\*\*\*\*\*\* \n";

show(i);

}

}

intf.read((char\*)this,sizeof(\*this));

}

}

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

getch();

system("cls");

if(i==1)

student();

else

librarian();

}

void Lib::modify()

{

char ch,st1[100];

int i=0,b,cont=0;

system("cls");

cout<<"\n\t\t>>Please Choose one option :-\n";

cout<<"\n\t\t1.Modification In Current Books\n\n\t\t2.Add New Book\n\n\t\t3.Delete A Book\n\n\t\t4.Go back\n";

cout<<"\n\n\t\tEnter your choice : ";

cin>>i;

if(i==1)

{

system("cls");

b=branch(2);

ifstream intf1("Booksdata.txt",ios::binary);

if(!intf1)

{

cout<<"\n\t\tFile Not Found\n";

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

getch();

system("cls");

librarian();

}

intf1.close();

system("cls");

cout<<"\n\t\tPlease Choose One Option :-\n";

cout<<"\n\t\t1.Search By Book Name\n\n\t\t2.Search By Book's ID\n";

cout<<"\n\t\tEnter Your Choice : ";

cin>>i;

fflush(stdin);

if(i==1)

{

system("cls");

cout<<"\n\t\tEnter Book Name : ";

cin.getline(st1,100);

system("cls");

fstream intf("Booksdata.txt",ios::in|ios::out|ios::ate|ios::binary);

intf.seekg(0);

intf.read((char\*)this,sizeof(\*this));

while(!intf.eof())

{

for(i=0;b==B&&bookname[i]!='\0'&&st1[i]!='\0'&&(st1[i]==bookname[i]||st1[i]==bookname[i]+32);i++);

if(bookname[i]=='\0'&&st1[i]=='\0')

{

cont++;

getdata();

intf.seekp(intf.tellp()-sizeof(\*this));

intf.write((char\*)this,sizeof(\*this));

break;

}

intf.read((char\*)this,sizeof(\*this));

}

intf.close();

}

else if(i==2)

{

cout<<"\n\t\tEnter Book's ID : ";

cin.getline(st1,100);

system("cls");

fstream intf("Booksdata.txt",ios::in|ios::out|ios::ate|ios::binary);

intf.seekg(0);

intf.read((char\*)this,sizeof(\*this));

while(!intf.eof())

{

for(i=0;b==B&&sc[i]!='\0'&&st1[i]!='\0'&&st1[i]==sc[i];i++);

if(sc[i]=='\0'&&st1[i]=='\0')

{

cont++;

getdata();

intf.seekp(intf.tellp()-sizeof(\*this));

intf.write((char\*)this,sizeof(\*this));

break;

}

intf.read((char\*)this,sizeof(\*this));

}

intf.close();

}

else

{

cout<<"\n\t\tIncorrect Input.....:(\n";

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

getch();

system("cls");

modify();

}

if(cont==0)

{

cout<<"\n\t\tBook Not Found.\n";

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

getch();

system("cls");

modify();

}

else

cout<<"\n\t\tUpdate Successful.\n";

}

else if(i==2)

{

system("cls");

B=branch(2);

system("cls");

getdata();

ofstream outf("Booksdata.txt",ios::app|ios::binary);

outf.write((char\*)this,sizeof(\*this));

outf.close();

cout<<"\n\t\tBook added Successfully.\n";

}

else if(i==3)

{

system("cls");

b=branch(2);

ifstream intf1("Booksdata.txt",ios::binary);

if(!intf1)

{

cout<<"\n\t\tFile Not Found\n";

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

getch();

intf1.close();

system("cls");

librarian();

}

intf1.close();

system("cls");

cout<<"\n\t\tPlease Choose One Option for deletion:-\n";

cout<<"\n\t\t1.By Book Name\n\n\t\t2.By Book's ID\n";

cout<<"\n\t\tEnter Your Choice : ";

cin>>i;

fflush(stdin);

if(i==1)

{

system("cls");

cout<<"\n\t\tEnter Book Name : ";

cin.getline(st1,100);

ofstream outf("temp.txt",ios::app|ios::binary);

ifstream intf("Booksdata.txt",ios::binary);

intf.read((char\*)this,sizeof(\*this));

while(!intf.eof())

{

for(i=0;b==B&&bookname[i]!='\0'&&st1[i]!='\0'&&(st1[i]==bookname[i]||st1[i]==bookname[i]+32);i++);

if(bookname[i]=='\0'&&st1[i]=='\0')

{

cont++;

intf.read((char\*)this,sizeof(\*this));

}

else

{

outf.write((char\*)this,sizeof(\*this));

intf.read((char\*)this,sizeof(\*this));

}

}

intf.close();

outf.close();

remove("Booksdata.txt");

rename("temp.txt","Booksdata.txt");

}

else if(i==2)

{

cout<<"\n\t\tEnter Book's ID : ";

cin.getline(st1,100);

ofstream outf("temp.txt",ios::app|ios::binary);

ifstream intf("Booksdata.txt",ios::binary);

intf.read((char\*)this,sizeof(\*this));

while(!intf.eof())

{

for(i=0;b==B&&sc[i]!='\0'&&st1[i]!='\0'&&st1[i]==sc[i];i++);

if(sc[i]=='\0'&&st1[i]=='\0')

{

cont++;

intf.read((char\*)this,sizeof(\*this));

}

else

{

outf.write((char\*)this,sizeof(\*this));

intf.read((char\*)this,sizeof(\*this));

}

}

outf.close();

intf.close();

remove("Booksdata.txt");

rename("temp.txt","Booksdata.txt");

}

else

{

cout<<"\n\t\tIncorrect Input.....:(\n";

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

getch();

system("cls");

modify();

}

if(cont==0)

{

cout<<"\n\t\tBook Not Found.\n";

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

getch();

system("cls");

modify();

}

else

cout<<"\n\t\tDeletion Successful.\n";

}

else if(i==4)

{

system("cls");

librarian();

}

else

{

cout<<"\n\t\tWrong Input.\n";

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

getch();

system("cls");

modify();

}

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

getch();

system("cls");

librarian();

}

int Lib::branch(int x)

{

int i;

cout<<"\n\t\t>>Please Choose one Branch :-\n";

cout<<"\n\t\t1.Class 12th\n\n\t\t2.CS\n\n\t\t3.EC\n\n\t\t4.CIVIL\n\n\t\t5.MECHANICAL\n\n\t\t6.1ST YEAR\n\n\t\t7.Go to menu\n";

cout<<"\n\t\tEnter youur choice : ";

cin>>i;

switch(i)

{

case 1: return 1;

break;

case 2: return 2;

break;

case 3: return 3;

break;

case 4: return 4;

break;

case 5: return 5;

break;

case 6: return 6;

break;

case 7: system("cls");

if(x==1)

student();

else

librarian();

default : cout<<"\n\t\tPlease enter correct option :(";

getch();

system("cls");

branch(x);

}

}

void Lib::see(int x)

{

int i,b,cont=0;

char ch[100];

system("cls");

b=branch(x);

ifstream intf("Booksdata.txt",ios::binary);

if(!intf)

{

cout<<"\n\t\tFile Not Found.\n";

cout<<"\n\t\t->Press any key to continue.....";

getch();

system("cls");

if(x==1)

student();

else

librarian();

}

system("cls");

cout<<"\n\t\tPlease Choose one option :-\n";

cout<<"\n\t\t1.Search By Name\n\n\t\t2.Search By Book's ID\n";

cout<<"\n\t\tEnter Your Choice : ";

cin>>i;

fflush(stdin);

intf.read((char\*)this,sizeof(\*this));

if(i==1)

{

cout<<"\n\t\tEnter Book's Name : ";

cin.getline(ch,100);

system("cls");

while(!intf.eof())

{

for(i=0;b==B&&q!=0&&bookname[i]!='\0'&&ch[i]!='\0'&&(ch[i]==bookname[i]||ch[i]==bookname[i]+32);i++);

if(bookname[i]=='\0'&&ch[i]=='\0')

{

cout<<"\n\t\tBook Found :-\n";

show(x);

cont++;

break;

}

intf.read((char\*)this,sizeof(\*this));

}

}

else if(i==2)

{

cout<<"\n\t\tEnter Book's ID : ";

cin.getline(ch,100);

system("cls");

while(!intf.eof())

{

for(i=0;b==B&&q!=0&&sc[i]!='\0'&&ch[i]!='\0'&&ch[i]==sc[i];i++);

if(sc[i]=='\0'&&ch[i]=='\0')

{

cout<<"\n\t\tBook Found :-\n";

show(x);

cont++;

break;

}

intf.read((char\*)this,sizeof(\*this));

}

}

else

{

cont++;

cout<<"\n\t\tPlease enter correct option :(";

getch();

system("cls");

see(x);

}

intf.close();

if(cont==0)

cout<<"\n\t\tThis Book is not available :( \n";

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

getch();

system("cls");

if(x==1)

student();

else

librarian();

}

void Lib::issue()

{

char st[50],st1[20];

int b,i,j,d,m,y,dd,mm,yy,cont=0;

system("cls");

cout<<"\n\t\t->Please Choose one option :-\n";

cout<<"\n\t\t1.Issue Book\n\n\t\t2.View Issued Book\n\n\t\t3.Search student who isuued books\n\n\t\t4.Reissue Book\n\n\t\t5.Return Book\n\n\t\t6.Go back to menu\n\n\t\tEnter Your Choice : ";

cin>>i;

fflush(stdin);

if(i==1)

{

system("cls");

b=branch(2);

system("cls");

fflush(stdin);

cout<<"\n\t\t->Please Enter Details :-\n";

cout<<"\n\t\tEnter Book Name : ";

cin.getline(bookname,100);

cout<<"\n\t\tEnter Book's ID : ";

cin.getline(sc,20);

//strcpy(st,sc);

der(sc,b,1);

cout<<"\n\t\tEnter Student Name : ";

cin.getline(auname,100);

cout<<"\n\t\tEnter Student's ID : ";

cin.getline(sc1,20);

cout<<"\n\t\tEnter date : ";

cin>>q>>B>>p;

ofstream outf("student.txt",ios::binary|ios::app);

outf.write((char\*)this,sizeof(\*this));

outf.close();

cout<<"\n\n\t\tIssue Successfully.\n";

}

else if(i==2)

{

ifstream intf("student.txt",ios::binary);

system("cls");

cout<<"\n\t\t->The Details are :-\n";

intf.read((char\*)this,sizeof(\*this));

i=0;

while(!intf.eof())

{

i++;

cout<<"\n\t\t\*\*\*\*\*\*\*\*\*\* "<<i<<". \*\*\*\*\*\*\*\*\*\* \n";

cout<<"\n\t\tStudent Name : "<<auname<<"\n\t\t"<<"Student's ID : "<<sc1<<"\n\t\t"<<"Book Name : "<<bookname<<"\n\t\t"<<"Book's ID : "<<sc<<"\n\t\t"<<"Date : "<<q<<"/"<<B<<"/"<<p<<"\n";

intf.read((char\*)this,sizeof(\*this));

}

intf.close();

}

else if(i==3)

{

system("cls");

fflush(stdin);

cout<<"\n\t\t->Please Enter Details :-\n";

cout<<"\n\n\t\tEnter Student Name : ";

cin.getline(st,50);

cout<<"\n\n\t\tEnter Student's ID : ";

cin.getline(st1,20);

system("cls");

ifstream intf("student.txt",ios::binary);

intf.read((char\*)this,sizeof(\*this));

cont=0;

while(!intf.eof())

{

for(i=0;sc1[i]!='\0'&&st1[i]!='\0'&&st1[i]==sc1[i];i++);

if(sc1[i]=='\0'&&st1[i]=='\0')

{

cont++;

if(cont==1)

{

cout<<"\n\t\t->The Details are :-\n";

cout<<"\n\t\tStudent Name : "<<auname;

cout<<"\n\t\tStudent's ID : "<<sc1;

}

cout<<"\n\n\t\t\*\*\*\*\*\*\* "<<cont<<". Book details \*\*\*\*\*\*\*\n";

cout<<"\n\t\tBook Name : "<<bookname;

cout<<"\n\t\tBook's ID : "<<sc;

cout<<"\n\t\tDate : "<<q<<"/"<<B<<"/"<<p<<"\n";

}

intf.read((char\*)this,sizeof(\*this));

}

intf.close();

if(cont==0)

cout<<"\n\t\tNo record found.";

}

else if(i==4)

{

system("cls");

fflush(stdin);

cout<<"\n\t\t->Please Enter Details :-\n";

cout<<"\n\n\t\tEnter Student's ID : ";

cin.getline(st,50);

cout<<"\n\t\tEnter Book's ID : ";

cin.getline(st1,20);

fstream intf("student.txt",ios::in|ios::out|ios::ate|ios::binary);

intf.seekg(0);

intf.read((char\*)this,sizeof(\*this));

while(!intf.eof())

{

for(i=0;sc[i]!='\0'&&st1[i]!='\0'&&st1[i]==sc[i];i++);

for(j=0;sc1[j]!='\0'&&st[j]!='\0'&&st[j]==sc1[j];j++);

if(sc[i]=='\0'&&sc1[j]=='\0'&&st[j]=='\0'&&st1[i]=='\0')

{

d=q;

m=B;

y=p;

cout<<"\n\t\tEnter New Date : ";

cin>>q>>B>>p;

fine(d,m,y,q,B,p); //fn1

intf.seekp(intf.tellp()-sizeof(\*this)); //fn3

intf.write((char\*)this,sizeof(\*this)); //fn5

cout<<"\n\n\t\tReissue successfully."; //fn3

break;

}

intf.read((char\*)this,sizeof(\*this));

}

intf.close();

}

else if(i==5)

{

system("cls");

b=branch(2);

system("cls");

fflush(stdin);

cout<<"\n\t\t->Please Enter Details :-\n";

cout<<"\n\t\tEnter Book's ID : ";

cin.getline(st1,20);

der(st1,b,2);

cout<<"\n\n\t\tEnter Student's ID : ";

cin.getline(st,20);

cout<<"\n\t\tEnter Present date : ";

cin>>d>>m>>y;

ofstream outf("temp.txt",ios::app|ios::binary);

ifstream intf("student.txt",ios::binary);

intf.read((char\*)this,sizeof(\*this));

while(!intf.eof())

{

for(i=0;sc[i]!='\0'&&st1[i]!='\0'&&st1[i]==sc[i];i++);

for(j=0;sc1[j]!='\0'&&st[j]!='\0'&&st[j]==sc1[j];j++);

if(sc[i]=='\0'&&sc1[j]=='\0'&&st[j]=='\0'&&st1[i]=='\0'&&cont==0)

{

cont++;

intf.read((char\*)this,sizeof(\*this));

fine(q,B,p,d,m,y);

cout<<"\n\t\tReturned successfully.";

}

else

{

outf.write((char\*)this,sizeof(\*this));

intf.read((char\*)this,sizeof(\*this));

}

}

intf.close();

outf.close();

getch();

remove("student.txt");

rename("temp.txt","student.txt");

}

else if(i==6)

{

system("cls");

librarian();

}

else

cout<<"\n\t\tWrong Input.\n";

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

getch();

system("cls");

librarian();

}

void Lib::fine(int d,int m,int y,int dd,int mm,int yy)

{

long int n1,n2;

int years,l,i;

const int monthDays[12] = {31, 28, 31, 30, 31, 30,31, 31, 30, 31, 30, 31};

n1 = y\*365 + d;

for (i=0; i<m - 1; i++)

n1 += monthDays[i]; //fn1353

years = y;

if (m <= 2)

years--;

l= years / 4 - years / 100 + years / 400;

n1 += l;

n2 = yy\*365 + dd;

for (i=0; i<mm - 1; i++)

n2 += monthDays[i];

years = yy;

if (m <= 2)

years--;

l= years / 4 - years / 100 + years / 400;

n2 += l;

n1=n2-n1;

n2=n1-15;

if(n2>0)

cout<<"\n\t\tThe Total Fine is : "<<n2;

}

void Lib::der(char st[],int b,int x)

{

int i,cont=0;

fstream intf("Booksdata.txt",ios::in|ios::out|ios::ate|ios::binary);

intf.seekg(0);

intf.read((char\*)this,sizeof(\*this));

while(!intf.eof())

{

for(i=0;b==B&&sc[i]!='\0'&&st[i]!='\0'&&st[i]==sc[i];i++);

if(sc[i]=='\0'&&st[i]=='\0')

{

cont++;

if(x==1)

{

q--;

}

else

{

q++;

}

intf.seekp(intf.tellp()-sizeof(\*this));

intf.write((char\*)this,sizeof(\*this));

break;

}

intf.read((char\*)this,sizeof(\*this));

}

if(cont==0)

{

cout<<"\n\t\tBook not found.\n";

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

getch();

system("cls");

issue();

}

intf.close();

}

void Lib::get()

{

int i;

cout<<"\n\tAdichunchanagiri Istitute Of Technology";

cout<<"\n\t\*\*\*\*\*\*\*\*\*\*\* LIBRARY MANAGEMENT SYSTEM \*\*\*\*\*\*\*\*\*\*\*\n"<<"\n\t\t\t \n";

cout<<"\n\t\t>>Please Choose Any Option To login \n";

cout<<"\n\t\t1.Student\n\n\t\t2.Librarian\n\n\t\t3.Close Application\n";

cout<<"\n\t\tEnter your choice : ";

cin>>i;

if(i==1)

{

system("cls");

student();

}

else if(i==2)

pass();

else if(i==3)

exit(0);

else

{

cout<<"\n\t\tPlease enter correct option :(";

getch();

system("CLS");

get();

}

}

void Lib::student()

{

int i;

cout<<"\n\t\*\*\*\*\*\*\*\*\*\*\*\* WELCOME STUDENT \*\*\*\*\*\*\*\*\*\*\*\*\n";

cout<<"\n\t\t>>Please Choose One Option:\n";

cout<<"\n\t\t1.View BookList\n\n\t\t2.Search for a Book\n\n\t\t3.Go to main menu\n\n\t\t4.Close Application\n";

cout<<"\n\t\tEnter your choice : ";

cin>>i;

if(i==1)

booklist(1);

else if(i==2)

see(1);

else if(i==3)

{

system("cls");

get();

}

else if(i==4)

exit(0);

else

{

cout<<"\n\t\tPlease enter correct option :(";

getch();

system("cls");

student();

}

}

void Lib::pass()

{

int i=0;

char ch,st[21],ch1[21]={"learnprogramo"};

cout<<"\n\t\tEnter Password : ";

while(1)

{

ch=getch();

if(ch==13)

{

st[i]='\0';

break;

}

else if(ch==8&&i>0)

{

i--;

cout<<"\b \b";

}

else

{

cout<<"\*";

st[i]=ch;

i++;

}

}

ifstream inf("password.txt");

inf>>ch1;

inf.close();

for(i=0;st[i]==ch1[i]&&st[i]!='\0'&&ch1[i]!='\0';i++);

if(st[i]=='\0'&&ch1[i]=='\0')

{

system("cls");

librarian();

}

else

{

cout<<"\n\n\t\tWrong Password.\n\n\t\ttry again.....\n";

getch();

system("cls");

get();

}

}

void Lib::librarian()

{

int i;

cout<<"\n\t\*\*\*\*\*\*\*\*\*\*\*\* WELCOME LIBRARIAN \*\*\*\*\*\*\*\*\*\*\*\*\n";

cout<<"\n\t\t>>Please Choose One Option:\n";

cout<<"\n\t\t1.View BookList\n\n\t\t2.Search for a Book\n\n\t\t3.Modify/Add Book\n\n\t\t4.Issue Book\n\n\t\t5.Go to main menu\n\n\t\t6.Change Password\n\n\t\t7.Close Application\n";

cout<<"\n\t\tEnter your choice : ";

cin>>i;

switch(i)

{

case 1:booklist(2);

break;

case 2:see(2);

break;

case 3:modify();

break;

case 4:issue();

break;

case 5:system("cls");

get();

break;

case 6:password();

break;

case 7:exit(0);

default:cout<<"\n\t\tPlease enter correct option :(";

getch();

system("cls");

librarian();

}

}

void Lib::password()

{

int i=0,j=0;

char ch,st[21],ch1[21]={"learnprogramo"};

system("cls");

cout<<"\n\n\t\tEnter Old Password : ";

while(1)

{

ch=getch();

if(ch==13)

{

st[i]='\0';

break;

}

else if(ch==8&&i>0)

{

i--;

cout<<"\b \b";

}

else

{

cout<<"\*";

st[i]=ch;

i++;

}

}

ifstream intf("password.txt");

intf>>ch1;

intf.close();

for(i=0;st[i]==ch1[i]&&st[i]!='\0'&&ch1[i]!='\0';i++);

if(st[i]=='\0'&&ch1[i]=='\0')

{

system("cls");

cout<<"\n\t\*\*The Password Should be less than 20 characters & don't use spaces\*\*\n\n";

cout<<"\n\t\tEnter New Password : ";

fflush(stdin);

i=0;

while(1)

{

j++;

ch=getch();

if(ch==13)

{

for(i=0;st[i]!=' '&&st[i]!='\0';i++);

if(j>20 || st[i]==' ')

{

cout<<"\n\n\t\tYou did't follow the instruction \n\n\t\tPress any key for try again.....";

getch();

system("cls");

password();

librarian();

}

st[i]='\0';

break;

}

else if(ch==8&&i>0)

{

i--;

cout<<"\b \b";

}

else

{

cout<<"\*";

st[i]=ch;

i++;

}

}

ofstream outf("password.txt");

outf<<st;

outf.close();

cout<<"\n\n\t\tYour Password has been changed Successfully.";

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

getch();

system("cls");

librarian();

}

else

{

cout<<"\n\n\t\tPassword is incorrect.....\n";

cout<<"\n\t\tEnter 1 for retry or 2 for menu";

cin>>i;

if(i==1)

{

system("cls");

password();

}

else

{

system("cls");

librarian();

}

}

}

int main()

{

Lib obj;

obj.get();

getch();

return 0;

}