**ARRAY OF OBJECTS**

**SOURCE CODE:**

import java.util.\*;

class oopm

{

public static void main(String args[])

{

LibraryAcc student[]=new LibraryAcc[2];

Scanner sc=new Scanner(System.in);

int n,i;

for(int j=0;j<2;j++)

{

System.out.println("Enter the student details");

student[j]=new LibraryAcc();

student[j].get();

}

System.out.println("Enter the student name whose details are to be obtained or modified");

String d=sc.nextLine();

for( i=0;i<2;i++)

{

if(d.equals(student[i].studentname))

break;

}

do

{

System.out.println("\*\*\*Main Menu\*\*\*");

System.out.println("1:issue book\n2:return book\n3:charge fine\n4:display the details\n5:exit");

n=sc.nextInt();

switch(n)

{

case 1: System.out.println("enter the number of books you need to issue");

int val=sc.nextInt();

student[i].issuebook(val);

break;

case 2: System.out.println("enter the number of books you need to return ");

int x=sc.nextInt();

student[i].returnbook(x);

break;

case 3: System.out.println("enter the fine charged");

int f=sc.nextInt();

student[i].chargefine(f);

break;

case 4: student[i].display();

break;

case 5: break;

default:System.out.println("wrong choice");

}

}while(n!=5);

}

}

class LibraryAcc

{

String studentname;

int accnumber;

int booksissued;

int finepaid;

Scanner sc =new Scanner(System.in);

void get()

{

System.out.println("Enter the name of student and his acc number and book issued and fine charged");

studentname=sc.nextLine();

accnumber=sc.nextInt();

booksissued=sc.nextInt();

finepaid =sc.nextInt();

}

void issuebook(int x)

{

booksissued+=x;

}

void returnbook(int x)

{

booksissued-=x;

}

void chargefine(int x)

{

finepaid+=x;

}

void display()

{

System.out.println("Student name = "+studentname);

System.out.println("Account number = "+accnumber);

System.out.println("number of books issued = "+booksissued);

System.out.println("fine paid = "+finepaid);

}

}

**OUTPUT:**





