package p1;

import java.util.Scanner;

public class Project {

public static void main(String args[] )

{

char r;

do {

System.out.println("\*\*\*\*\*\*Library Management System\*\*\*\*\*\*");

System.out.println("press 1 to add book");

System.out.println("press 2 to issue a book");

System.out.println("press 3 to return a book");

System.out.println("press 4 to print complete issue details");

System.out.println("press 5 to exit book");

Scanner obj1=new Scanner(System.in);

System.out.println("enter any number");

int a=obj1.nextInt();

switch(a)

{

case 1:

Library aa=new Library();

aa.add();

break;

case 2:

Library bb=new Library();

bb.iss();

break;

case 3:

Library cc=new Library();

cc.ret();

break;

case 4:

Library is=new Library();

is.detail();

break;

case 5:

Library add=new Library();

add.exit();

break;

default:

System.out.println("Invalid number");

}

System.out.println("you want to select next option Y/N");

r=obj1.next().charAt(0);

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

if(r=='n'||r=='N')

{

Library z=new Library();

z.exit();

}

}

}

class Library

{

static String str,b,date;

static int a,c;

void add()

{

System.out.println("enter book name,price and book\_no");

Scanner obj2=new Scanner(System.in);

String str=obj2.nextLine();

float price=obj2.nextInt();

int bookno=obj2.nextInt();

System.out.println("your detail is "+ str + price + bookno);

}

void iss()

{

Scanner obj3=new Scanner(System.in);

System.out.println("Book name");

str=obj3.nextLine();

System.out.println("Book\_id");

a=obj3.nextInt();

obj3.nextLine();

System.out.println("issue date");

b=obj3.nextLine();

System.out.println("total number of books issued");

c=obj3.nextInt();

obj3.nextLine();

System.out.println("return book date");

date=obj3.nextLine();

}

int getid()

{

return a;

}

void ret()

{

System.out.println("enter student\_name & book\_id");

Scanner c=new Scanner(System.in);

String name=c.nextLine();

int bookid=c.nextInt();

if(a==bookid)

{

System.out.println("total details");

System.out.println("book Name:"+Library.str);

System.out.println("Book id :"+Library.a);

System.out.println("issue date"+Library.b);

System.out.println("total number of books issued:"+Library.c);

System.out.println("book return date:"+Library.date);

}

else

{

System.out.println("wrong id, pls enter correct id");

}

}

void detail()

{

System.out.println("book Name:"+Library.str);

System.out.println("Book id :"+Library.a);

System.out.println("issue date"+Library.b);

System.out.println("total number of books issued:"+Library.c);

System.out.println("book return date:"+Library.date);

}

void exit()

{

System.exit(0);

}

}