LAKSHMI S KUMAR 1BM19CS078

LAB 3

Create a class Book which contains four members: name, author, price, num_pages. Include a constructor to set the values for the members. Include methods to set and get the details of the objects. Include a toString() method that could display the complete details of the book. Develop a Java program to create n book objects.

```
import java.util.*;
import java.lang.*;
class Book
String name;
String author;
double price;
int num pages;
public void getdetails()
{
Scanner x=new Scanner(System.in);
System.out.println("Enter Book Details");
System.out.println("Enter Book Name:");
name=x.next();
System.out.println("Enter the Author");
author=x.next();
System.out.println("Enter the Price of the book");
price=x.nextDouble();
System.out.println("Enter the number of pages in the book");
num pages=x.nextInt();
}
public String toString()
return("BOOK DETAILS*"+"\nThe name of the book : "+name+"\nThe author
of the book: "+author+" nThe price of the book: "+price+" nNumber of pages in
book :"+num pages);
}
}
class Main{
public static void main(String args[])
{
int i,n;
Scanner x=new Scanner(System.in);
System.out.println("Enter the number of books");
n=x.nextInt();
Book b[]=new Book[n];
```

```
for (i=0;i<n;i++)
{
            b[i]=new Book();
            b[i].getdetails();

}
for(i=0;i<n;i++)
{
            System.out.println(b[i]);
}</pre>
```

```
Enter Book Details
Enter Book Name:
ASC
Enter the Author
FFG
Enter the Price of the book
20
Enter Book Details
Enter Book Details
Enter Book Name:
Abc
Enter Book Name:
Abc
Enter the Author
efg
Enter the Price of the book
20
Enter the Price of the book
20
Enter the number of pages in the book
60
BOOK DETAILS*
The name of the book IFFG
The price of the book: IFFG
The price of the book: IFFG
The price of the book: 10.0
Number of pages in book :80
BOOK DETAILS*
The name of the book: 10.0
Number of pages in book :80
The suthor of the book: 10.0
Number of pages in book: 10.0
```

Lakshmi & kumar
mysic falla retult IBMIG (SD2)
class book
Clair book J
2 2
Steing name;
String author
double peue;
Public noid get detaile ()
Bublic rioid get detaile ()
Scanner X = new Scanner (System in);
getti Out Detalla (title Book Detalla ").
gordin Old Printin ("Enter Book Name: ")
rance = X-next():
System out printly ("Enter the Author");
attini = x.next().
System. out. printly (" Entu the Price of the book");
num pager = x. next Int ();
3
public string to String [])
\$1
return ("Bosch details *" + " In The name of the book
"name + " n The book : " + name + " In The author of the
book "+ 08/10 + "In Division of cooper by book "+ 44
Dagge ou book ill laters
"name + " n The book : " + name + " n The author of the book: "+ priet " n Number of pager In book: "+ num pager In book: "+ num pager In book: "+ num pager
9
5
class Main
public Slatin noid main (String arg [])
\$1
entin;
Scanner X = new Scanner (System in
Scarrier / = 1000

Latshini-S-kumai System out printle ("Forter the number of books"). pour out printly ("Fritu the r n=x next Int (); Book b [] = new book (n]; for (= 0; l < n; l+t) system · out · print lub[i]); z