

lab3 - Notepad

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```
/*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.Scanner;
class book{
String author;
String name;
int num_pages;
double price;
Scanner sc = new Scanner(System.in);
void getDetails(){
System.out.println("Enter Name of Author: ");
author = sc.next();
System.out.println("Enter the Title of Book ");
name = sc.next();
System.out.println("Enter Number of Pages: ");
num_pages = sc.nextInt();
System.out.println("Cost of Book: ");
price = sc.nextDouble();
}
public String toString(){
return (" Author: "+author+"\n Book Title: "+name+"\n Pages: "+num_pages+"\n Price: "+price);
}
book(){ //for default constructor
author ="Hector Garcia, Albert Lieberman";
name ="Ikigai: The Japanese Secret to a Long and Happy Life";
num_pages =143;
price = 362.00;
}
void display(){
System.out.println(" Author : "+author);
System.out.println(" Book Title: "+name);
System.out.println(" Number of PAGES: "+num_pages);
System.out.println(" Price: "+price);
}
}
class bookLib{
public static void main(String ss[]){
Scanner sc = new Scanner(System.in);
<
```

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```
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}
public String toString(){
return (" Author: "+author+"\n Book Title: "+name+"\n Pages: "+num_pages+"\n Price: "+price);
}
book0{ //for default constructor
author ="Hector Garcia, Albert Lieberman";
name ="Ikigai: The Japanese Secret to a Long and Happy Life";
num_pages =143;
price = 362.00;
}
void display(){
System.out.println(" Author : "+author);
System.out.println(" Book Title: "+name);
System.out.println(" Number of PAGES: "+num_pages);
System.out.println(" Price: "+price);
}
}
class bookLib{
public static void main(String ss[]){
Scanner sc = new Scanner(System.in);
int n;
book s1 = new book0();
System.out.println("\t*****"); //for default constructor
s1.display();
System.out.println("\t*****");
System.out.println("\n\nEnter the Number of books: ");
n = sc.nextInt();
book b[] = new book[n];
for(int i=0;i<n;i++){
System.out.println("\t*****");
System.out.println("Enter Details of Book: "+(i+1));
b[i] = new book0();
b[i].getDetails();
}
System.out.println("\n **All The Books We Have**");
for(int i=0;i<n;i++){
System.out.println("\n\t*****");
System.out.println(" BOOK : "+(i+1));
System.out.println(b[i]);
}
}
}
}
<
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```

```
Command Prompt - java bookLib
Microsoft Windows [Version 10.0.18363.1256]
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C:\Users\priya>cd desktop

C:\Users\priya\Desktop>cd java

C:\Users\priya\Desktop\java>javac lab3.java

C:\Users\priya\Desktop\java>java bookLib
****
Author : Hector Garcia, Albert Lieberman
Book Title: Ikigai: The Japanese Secret to a Long and Happy Life
Number of PAGES: 143
Price: 362.0
****

Enter the Number of books:
_
```