

LAB-3 PROGRAM

INPUT:

```
C:\Users\91944\OneDrive\Desktop\OO\LAB\Lab_3\Bookmain.java - Sublime Text (UNREGISTERED)
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login.html x main.js x styles.css x Student.java x Bookmain.java x

1  import java.util.Scanner;
2
3  class Book
4  {
5      String name;
6      String author;
7      float price;
8      int num_pages;
9      Scanner ss = new Scanner(System.in);
10
11      Book()
12      {
13          name = "";
14          author = "";
15          price = 0.0f;
16          num_pages = 0;
17      }
18
19      void accept()
20      {
21          System.out.println("Enter the book NAME :");
22          name = ss.next();
23          System.out.println("Enter the AUTHOR of the book :");
24          author = ss.next();
25          System.out.println("Enter the PRICE of the book :");
26          price = ss.nextFloat();
27          System.out.println("Enter the NUMBER OF PAGES in the book :");
28          num_pages = ss.nextInt();
29      }
30
31      public String toString()
32      {
33          return(name+"\t\t"+author+"\t\tRs."+price+"\t\t"+num_pages);
34      }
35  }
36
37  class Bookmain
38  {
39      public static void main(String[] args)
40      {
41          Scanner ss = new Scanner(System.in);
42          System.out.println("\nEnter the number of books :");
43          int n = ss.nextInt();
44          Book b[] = new Book[n]; //array of references is being created
45          for(int i = 0; i < n; i++)
46          {
47              b[i] = new Book(); // creation of objects
48              System.out.println("\n<-----ENTER THE DETAILS OF BOOK "+(i+1)+"----->\n");
49              b[i].accept();
50              System.out.println("\n<----->\n");
51          }
52          System.out.println("<-----DETAILS OF ALL BOOKS----->\n");
53          System.out.println("\nNAME\t\tAUTHOR\t\tPRICE\t\tNUMBER OF PAGES\n");
54          for(int i = 0; i < n; i++)
55          {
56              System.out.println(b[i]);
57          }
58          System.out.println("\n<----->\n");
59      }
60  }
```

OUTPUT:

```
C:\Users\91944\OneDrive\Desktop\OOJLAB\Lab_3>javac Booksmain.java
```

```
C:\Users\91944\OneDrive\Desktop\OOJLAB\Lab_3>java Booksmain
```

```
Enter the number of books :
```

```
2
```

```
<-----ENTER THE DETAILS OF BOOK 1----->
```

```
Enter the book NAME :
```

```
Dark
```

```
Enter the AUTHOR of the book :
```

```
Mcgraw
```

```
Enter the PRICE of the book :
```

```
199
```

```
Enter the NUMBER OF PAGES in the book :
```

```
125
```

```
<----->
```

```
<-----ENTER THE DETAILS OF BOOK 2----->
```

```
Enter the book NAME :
```

```
Horror
```

```
Enter the AUTHOR of the book :
```

```
Johns
```

```
Enter the PRICE of the book :
```

```
100
```

```
Enter the NUMBER OF PAGES in the book :
```

```
200
```

```
<----->
```

```
<-----DETAILS OF ALL BOOKS----->
```

NAME	AUTHOR	PRICE	NUMBER OF PAGES
Dark	Mcgraw	Rs.199.0	125
Horror	Johns	Rs.100.0	200

```
<----->
```

```
C:\Users\91944\OneDrive\Desktop\OOJLAB\Lab_3>
```