

**//lab3program 1bm19cs015**

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**import java.util.Scanner;**

**class book{**

**String name;**

**String author;**

**float price;**

**int num\_pages;**

**book()**

**{**

**name="";**

**author="";**

**price=0.0f;**

**num\_pages=0;**

**System.out.println("<\*\*\*\*\*>");**

**}**

**void accept (){**

**Scanner sc=new Scanner (System.in);**

**System.out.println("Enter the details of the book::");**

```
System.out.println("Name");  
  
name=sc.next();  
  
System.out.println("Author");  
  
author=sc.next();  
  
System.out.println("Price");  
  
price=sc.nextFloat();  
  
System.out.println("No of Pages");  
  
num_pages=sc.nextInt();  
  
}
```

// toString method

```
public String toString()  
{  
  
    return(" Name of book: "+ name + " \n Author:\t"+author+ " \n  
Cost of book: Rs"+ price + "\n Total pages: "+ num_pages+"\n  
<*****>");  
  
}
```

}

```
public class lab3book {  
  
    public static void main(String args[]){  
  
        Scanner ab=new Scanner (System.in);  
  
        int i;  
  
        System.out.println("Total no of books::");  
  
        int n=ab.nextInt();  
  
        book b[]=new book[n];  
  
        for(i=0;i<n;i++){  
  
            b[i] =new book();  
  
            b[i].accept();  
  
  
  
        }  
  
        System.out.println("BOOK Details::");  
  
        for(i=0;i<n;i++){  
  
            int j=i+1;  
  
            System.out.println("\n<***** BOOK"+j+ "*****>");  
  
            System.out.println(b[i]);  
  
  
  
        }  
    }  
}
```

}

}

```
C:\Windows\system32\cmd.exe
operable program or batch file.

C:\Users\cw\Desktop>set path=C:\Program Files\Java\jdk1.8.0_261\bin

C:\Users\cw\Desktop>javac lab3book.java
lab3book.java:14: error: incompatible types: possible lossy conversion from float to int
    num_pages=0.0f;
               ^
1 error

C:\Users\cw\Desktop>javac lab3book.java

C:\Users\cw\Desktop>java lab3book
Total no of books:::
2
<*****>
Enter the details of the book:::
Name
java
Author
oracle
Price
200
No of Pages
50
<*****>
Enter the details of the book:::
Name
oops
Author
james
Price
500
No of Pages
256
BOOK Details::
<***** BOOK1*****>
Name of book:  java
Author:        oracle
Cost of book:  Rs200.0
Total pages:   50
<*****>
<***** BOOK2*****>
Name of book:  oops
Author:        james
Cost of book:  Rs500.0
Total pages:   256
<*****>

C:\Users\cw\Desktop>
```

```
import java.util.Scanner;
```

```
class book {
```

```
    String name;
```

```
    String author;
```

```
    float price = 0.0f;
```

```
    int float num_pages = 0;
```

```
    book()
```

```
    {
```

```
        System.out.println("*****");
```

```
    }
```

```
    void accept() {
```

```
        Scanner sc = new Scanner(System.in);
```

```
        System.out.println("Enter the details of the book");
```

```
        System.out.println("Name");
```

```
        name = sc.next();
```

```
        System.out.println("Author");
```

```
        author = sc.next();
```

```
        System.out.println("Price");
```

```
        price = sc.next();
```

```
        System.out.println("No of Pages");
```

```
        num_pages = sc.nextFloat();
```

```
    }
```

```
    public String toString() {
```

```
        return ("Name of the book:" + name + "\n" +  
            "author:" + author + "\n Cost of book:" + price +  
            "\n total pages:" + num_pages);
```

```
    }
```

```
public class lab3book {
    public static void main (String args[]) {
        Scanner ab = new Scanner (System.in);
        int l;
        System.out.println("Total no. of books::");
        int n = ab.nextInt();
```

```
        book b[] = new book[n];
        for (i=0; i<n; i++)
        {
            b[i] = new book();
            b[i].accept();
        }
```

```
        System.out.println("Book details::");
        for (i=0; i<n; i++) {
            int j=i+1;
            System.out.println("In Book"+j);
            System.out.println(b[i]);
        }
    }
}
```