Lab 3

```java
import java.util.Scanner;

class book {
    String name;
    String author;
    float price = 0.0f;
    int 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);
    }
}
```

```java
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(" In BOOK"+j);
    system.out.println( b[i]);
    }
}
}
```

```java
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");
```

```java
        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::");
```

```java
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]);


 }
 }
}
```

```
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 floa
t 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>
```