OOJ Lab Program - 03.

*) 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 would display the complete details
of the book. Develop a java program to create
n book objects

CODE :-

```
import java.util.*;
class Book {
    String name;
    String author;
    int price;
    int num_pages;
    Book()
    {}
    Book (String name, String author, int price,
          int num_pages)
```

```java
{
    this.name = name;
    this.author = author;
    this.price = price;
    this.num_pages = num_pages;
}

void accept()
{
    Scanner s = new Scanner(System.in);
    System.out.println("Enter the name of the book");
    name = s.next();
    System.out.println("Enter the author of the book");
    author = s.next();
    System.out.println("Enter the price of the book");
    price = s.nextInt();
    System.out.println("Enter the number of pages of
the book");
    num_pages = s.nextInt();
}

public String tostring()
{
    return("Name : " + name + "\n" + "Autha : " + author + "\n" +
"Price : " + price + "\n" + "Number of pages : " + num_pages);
```

```java
            }

        }

class BookMain1 {
    public static void main (String ss [])
    {
            Scanner a = new Scanner(System.in);
            Book b1 = new Book ("Heights", "Anne",
                        299, 345);
    System.out.println ("Sample input :\n"+b1);
    System.out.println ("Enter the number of books");
    int n = a.nextInt();
    Book b[] = new Book [n];
    for (int i=0; i<n; i++)
    {
        b[i] = new Book ();
        System.out.println ("\n Enter the details of book
                        + (i+1));

        b[i].accept();
    }
    for (int i=0; i<n; i++)
    System.out.println ("\n Details of book "+(i+1));
```

```java
            System.out.println (b[i]);
        }
    }
}
```