

LAB PROGRAM - 3

Ques Create a class Book which contains four members: name, author, price, num-pages. Include a constructor to set the values for the members. Include a method to set and get the details of the object. Include a toString() method that would display the complete details of the Book. Develop a Java to create a book object:

Info about toString() method:

```
class Test { int a = 10;
    public String toString()
    { return ("a=" + a); }
}
class TestMain { public static void main (String s[])
{
    Test t1 = new Test();
    System.out.println(t1);
} }
```

Code:

```
import java.io.*;
import java.util.*;
class Book1
{
    private String name;
    private String author;
    private double p;
    private int np;
    Book1()
    {
        name = null;
        author = null;
```

```

p=0.0;
np=0;
}
void getdetails ()
{
    Scanner sc = new Scanner(System.in);
    System.out.println("Enter book title:");
    name = sc.next();
    System.out.println("Enter book author:");
    author = sc.next();
    System.out.println("Enter the book price:");
    p = sc.nextDouble();
    System.out.println("Enter the book pages:");
    np = sc.nextInt();
}
public String toString()
{
    return ("BOOK TITLE: " + name + " " + "BOOK -AUTHOR: " +
        author + "BOOK PRICE: " + p + " " + "NUMBER OF PAGES: " +
        np);
}
}
}
class Main
{
    public static void main (String argst[])
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the number of books:");
        int n = sc.nextInt();
        Book b[] = new Book[n];
        for (int i=0; i<n; i++)
        {

```



```
System.out.println("Enter the book details of  
book no: " + (i+1));  
b[i] = new Book();  
b[i].getdetails();  
}  
for (int i=0; i<n; i++)  
{  
    System.out.println("The book details of book " + (i+1));  
    System.out.println(b[i]);  
}
```