

LAB PROGRAM -3

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 could display the complete details of the book. Develop a Java program to create n book objects.

CODE

3. Create a class which contains four members: name, author, price, num-pages. Include the constructor to set the values for the members. Include methods to set and get the details of the objects. Include a toString() method that could display the complete details of the book. Develop a Java program to create n book objects.

```
import java.util.*;
import java.lang.*;

class Book
{
    String name; author;
    int price; num-pages;

    void getvals()
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter book name:");
        name = sc.next();
        System.out.println("Enter author name:");
        author = sc.next();
        System.out.println("Enter price:");
        price = sc.nextInt();
        System.out.println("Enter no of pages:");
        num-pages = sc.nextInt();
    }
}
```

```
public String toString()
{
    return name + " " + author + " " + price + " " + num-pages;
}

void display(Book b)
{
    System.out.println(b.toString());
}

class BookTest
{
    public static void main (String args[])
    {
        Scanner in = new Scanner(System.in);
        System.out.println("Enter the no of book objects:");
        int n = in.nextInt();
        Book[] ob = new Book[n];
        for (int i = 0; i < n; i++)
        {
            ob[i] = new Book();
            for (int j = 0; j < n; j++)
            {
                ob[i].getvals();
            }
            ob[i].display();
        }
    }
}
```

OUTPUT:

```
C:\Users\bmsce\Desktop\1bm21cs062>java Bookv
enter the no of books
2
enter book name,author name,price and number of pages
twilight stephanie
300
500
enter book name,author name,price and number of pages
woman
mary
400
900
twilight stephanie 300Rs 500pages
woman mary 400Rs 900pages
```

OUTPUT: