

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.

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

```
class Book1
```

```
{
```

```
    String name, author;
```

```
    double price;
```

```
    int num-pages;
```

```
    public Book1()
```

```
    {
```

```
        this.name = "";
```

```
        this.author = "";
```

```
        this.price = 0.0;
```

```
        this.num-pages = 0;
```

```
    }
```

```
    public void details()
```

```
    {
```

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

```
        System.out.println("Enter the name of the book\n");
```

```
        name = in.nextLine();
```

```
        System.out.println("Enter the name of the author\n");
```

```
        author = in.nextLine();
```



```

System.out.println("Enter the price of the book\n");
price = in.nextDouble();
System.out.println("Enter the number of pages of the
book");
num-pages = in.nextInt();
}
public void ToString()
{
    System.out.println("Details of the book\n");
    System.out.println("Name of the book:" + name);
    System.out.println("Name of the author:" + author);
    System.out.println("Price of the book:" + price);
    System.out.println("No. of pages of the book:" + num-pages);
}
public static void main (String args[])
{
    int i=0 n;
    Book1 obj = new Book1();
    Scanner ob1 = new Scanner (System.in);
    System.out.println("Enter the number of books");
    n = ob1.nextInt();
    for (i=1; i<=n; i++)
    {
        obj.details();
        obj.ToString();
    }
}
}

```

```
ENTER THE NUMBER OF BOOKS
3
ENTER THE NAME OF THE BOOK
harrypotter
ENTER THE NAME OF THE AUTHOR
jkr
ENTER THE PRICE OF THE BOOK
300
ENTER THE NUMBER OF PAGES OF THE BOOK
400
DETAILS OF THE BOOK
NAME OF THE BOOK:harrypotter
NAME OF THE AUTHOR:jkr
PRICE OF THE BOOK:300.0
NO. OF PAGES OF THE BOOK:400
ENTER THE NAME OF THE BOOK

digital fortress
ENTER THE NAME OF THE AUTHOR
dan brown
ENTER THE PRICE OF THE BOOK
500
ENTER THE NUMBER OF PAGES OF THE BOOK
544
DETAILS OF THE BOOK
NAME OF THE BOOK:digital fortress
NAME OF THE AUTHOR:dan brown
PRICE OF THE BOOK:500.0
NO. OF PAGES OF THE BOOK:544
ENTER THE NAME OF THE BOOK

one indian girl
ENTER THE NAME OF THE AUTHOR
chetan bhagat
ENTER THE PRICE OF THE BOOK
300
ENTER THE NUMBER OF PAGES OF THE BOOK
200
DETAILS OF THE BOOK
NAME OF THE BOOK:one indian girl
NAME OF THE AUTHOR:chetan bhagat
PRICE OF THE BOOK:300.0
NO. OF PAGES OF THE BOOK:200

[Program finished]
```