

LAB PROGRAM-3

```
import java.util.*;
class Book {
    String name;
    String author;
    float price;
    int num_pages;
    Book ()
    { }
    Book (String name, String author, int price, int num_pages)
    {
        this.name = name;
        this.author = author;
        this.price = price;
        this.num_pages = num_pages;
    }
    void display ()
    {
        Scanner inp = new Scanner (System.in);
        System.out.println ("Enter name of book:");
        name = inp.next();
        System.out.println ("Enter author of book:");
        author = inp.next();
        System.out.println ("Enter number of pages of book:");
        num_pages = inp.nextInt();
    }
    public String toString ()
    {
```

```
return ("Name : " + name + "\n" + "Author : " + "\n" +  
        "Price : " + price + "\n" + "Number of pages :  
        " + num_pages);
```

```
}
```

```
}
```

```
public class BookMain {  
    public static void main(String args[])  
    {
```

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

```
        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("Enter the details of  
                                " + (i+1) + " book);
```

```
            b[i].display();
```

```
        }
```

```
        for (int i = 0; i < n; i++)
```

```
        {
```

```
            System.out.println("Details of book " + (i+1));
```

```
            b[i].display();
```

```
        }
```

```
        for (int i = 0; i < n; i++)
```

```
        {
```

```
            System.out.println("Details of book " + (i+1));
```

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

```
        }
```

```
    }
```