

### Lab 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 book{
```

```
    String booktitle;
```

```
    String author;
```

```
    int no_of_pages;
```

```
    double price;
```

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

```
    book()
```

```
{
```

```
    booktitle = "";
```

```
    author = "";
```

```
    no_of_pages= 0;
```

```
    price = 0;
```

```
}
```

```
void getdetails(){
```

```
    System.out.print("Enter book title:");
```

```
    booktitle = sc.nextLine();
```

```
    System.out.print("Enter author name:");
```

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

```
    System.out.print("Enter price:");
```

```
    price = sc.nextDouble();
```

```
    System.out.print("Enter no of pages:");
```

```
    no_of_pages = sc.nextInt();
```

```
}
```

```
public String toString(){
```

```
    return("Book name =" + booktitle + " Author =" + author + " Price =" + price + " Pages =" + no_of_pages);
```

```
}
```

```
}  
  
class Books{  
  
    public static void main(String[] args){  
  
        int n,i;  
  
        Scanner in = new Scanner(System.in);  
  
        System.out.print("Enter number of books ");  
  
n = in.nextInt();  
  
        book[] b = new book[n];  
  
        for(i = 0;i < n;i++)  
  
        {  
  
            System.out.println("Enter details of Book "+(i+1));  
  
            b[i] = new book();  
  
            b[i].getdetails();  
  
        }  
  
        for(i = 0;i < n;i++)  
  
        {  
  
            System.out.println(b[i]);  
  
        }  
  
    }  
  
}
```

```
Books.java x mainbook.java x evenarray.java x
13 price = 0;
14 }
15 Command Prompt
16 C:\java\LAB>java Books
17 Enter number of books 2
18 Enter details of Book 1
19 Enter book title: Harry Potter
20 Enter author name:JK Rowling
21 Enter price:499
22 Enter no of pages:270
23 Enter details of Book 2
24 } Enter book title:Lightning Thief
25 Enter author name:Rick Riordan
26 Enter price:699
27 Enter no of pages:483
28 Book name = Harry Potter Author =JK RowlingPrice =499.0 Pages =270
Book name =Lightning Thief Author =Rick RiordanPrice =699.0 Pages =483
```