

## 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.Scanner;
class Book
{
```

```
    private String name, author;
    private double price;
    private int num_pages;
```

```
    Book ()
    {
```

```
        name = "The Secret Key";
        author = "Rajendra";
        price = 499.00;
        num_pages = 500;
    }
```

```
    void getDetails ()
    {
```

```
        Scanner sc = new Scanner (System.in);
        System.out.println ("Enter the book name:");
        name = sc.nextLine();
        System.out.println ("Enter the author name:");
        author = sc.nextLine();
        System.out.println ("Enter the price");
        // no. of page:
        // num_pages = sc.nextInt();
```

```

num_pages = sc.nextLine();
System.out.println("Enter the price:");
price = sc.nextDouble();
}

```

```

public String toString()
{

```

```

    String temp = "Book name: " + name + "\n Author  

name: " + author + "\n No. of pages: " + num_pages +  

"\n Price: " + price + "\n";

```

```

    return (temp);
}

```

```

}

```

```

class Book details
{

```

```

    public static void main (String args[])
    {

```

```

        int i, n;

```

```

        Scanner sc = new Scanner (System.in);

```

```

        System.out.println("Enter the number of book:");

```

```

        n = sc.nextInt();

```

```

        Book[] obj = new Book[n];

```

```

        for (i=0; i<n; i++)
        {

```

```

            obj[i] = new Book();

```

```

        }

```

```

        System.out.println("\t\t\t *** Enter Book Details  

\t\t\t ***");

```

```

        for (i=0; i<n; i++)
        {

```

```

            System.out.println("\n Book " + (i+1) + " : ");
            obj[i].getDetails();

```

```

        }

```



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Date :

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

```
{    system.out.println(obj[i]);
```

```
}
```

```
}
```

```
}
```