

Week 5//Lab Program-3

1. 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 name;
```

```
    String author;
```

```
    int price;
```

```
    int num_pages;
```

```
    book()
```

```
    {
```

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

```
        System.out.println("Enter Book name");
```

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

```
        System.out.println("Enter author name");
```

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

```
        System.out.println("Enter Price");
```

```
        price=in.nextInt();
```

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

```
        num_pages=in.nextInt();
```

```
    }
```

```
    public String toString()
```

```
    {  
        return("\nBook Name: "+name+"\nAuthor: "+author+"\nPrice: "+price+"\nNo  
of pages: "+num_pages);  
    }  
}
```

class bookmain

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

```
C:\Users\RAJ\Desktop\c prog\Java\Week 5>java bookmain
Enter Number of books
2
Enter details of Book 1
Enter Book name
Java
Enter author name
me
Enter Price
5000
Enter no of pages
500
Enter details of Book 2
Enter Book name
C++
Enter author name
me@
Enter Price
10000
Enter no of pages
1000

Details of Book 1

Book Name: Java
Author: me
Price: 5000
No of pages: 500

Details of Book 2

Book Name: C++
Author: me@
Price: 10000
No of pages: 1000

C:\Users\RAJ\Desktop\c prog\Java\Week 5>
```