

LAB-3

Q. 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.

Program:

```
import java.util.Scanner;
```

```
class Book1
```

```
{
```

```
    public String title;
```

```
    public String author;
```

```
    public int pg;
```

```
    public int price;
```

```
    public Book1(String title,String author,int pg,int price)
```

```
    { this.title=title;
```

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

```
this.pg=pg;
```

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

```
}
```

```
public String toString()
```

```
{
```

```
    return "Title of the book is: "+title+" Author of the book is: "+author+"  
    No of pages: "+pg+" Price of the book is: "+price;
```

```
}
```

```
}
```

```
class Book2
```

```
{
```

```
public static void main(String args[])
```

```
{
```

```
    Scanner sc= new Scanner(System.in);  
    System.out.println("Enter number of books: ");
```

```
    int a= sc.nextInt();
```

```
        sc.nextLine();
```

```
    Book1 b1[]=new Book1[a];
```

```
for(int i=0;i<a;i++)
{
    System.out.println("Enter title of Book: ");
    String b= sc.nextLine();
    System.out.println("Enter author of Book: ");
    String k= sc.nextLine();
    System.out.println("Enter number of pages ");
    int c= sc.nextInt();
    System.out.println("Enter price of Book: ");
    int e= sc.nextInt();
    b1[i]= new Book1(b,k,c,e);
    sc.nextLine();
}

for(int i=0;i<a;i++)
{
    System.out.println("The details are: ");
    System.out.println(b1[i]);
}
}}
```

Microsoft Windows [Version 10.0.19042.630]
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C:\Users\LEGION>d:

D:\>javac Book2.java

D:\>java Book2

Enter number of books:

2

Enter title of Book:

Oliver Twist

Enter author of Book:

charles dickens

Enter number of pages

1234

Enter price of Book:

1234

Enter title of Book:

the martian

Enter author of Book:

andy weir

Enter number of pages

1234

Enter price of Book:

1234

The details are:

Title of the book is: Oliver Twist Author of the book is: charles dickens No of pages: 1234 Price of the book is: 1234

The details are:

Title of the book is: the martian Author of the book is: andy weir No of pages: 1234 Price of the book is: 1234

D:\>_