

LAB PROGRAM 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 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
{
    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 number of pages ; ");

        num_pages=in.nextInt();
    }

    public String toString()
    {
        return("Name: "+name+"\nAuthor: "+author+"\nPrice: "+price+"\nNumber of pages: "+num_pages);
    }
}
```

```
}
```

```
class Main
```

```
{
```

```
    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 the 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]);
```

```
        }
```

```
    }
```

```
}
```

Command Prompt

Microsoft Windows [Version 10.0.19041.572]
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C:\Users\SAKSHI>cd C:\Users\SAKSHI\JAVA PROGRAMS

C:\Users\SAKSHI\JAVA PROGRAMS>javac Main.java

C:\Users\SAKSHI\JAVA PROGRAMS>java Main

Enter Number of books :

2

Enter the details of Book 1 :

Enter Book name :

Pinocchio

Enter Author name :

Carlo Collodi

Enter Price :

2090

Enter number of pages ;

590

Enter the details of Book 2 :

Enter Book name :

Lord of the Rings

Enter Author name :

J.R.R.Tolkien

Enter Price :

3200

Enter number of pages ;

1030

Details of Book 1 :

Name: Pinocchio

Author: Carlo Collodi

Price: 2090

Number of pages: 590

Details of Book 2 :

Name: Lord of the Rings

Author: J.R.R.Tolkien

Price: 3200

Number of pages: 1030

C:\Users\SAKSHI\JAVA PROGRAMS>_