

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 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 {  
    String name;  
    String author;  
    int price;  
    int num_pages;  
    Book()  
    {  
        this.name = name;  
        this.author = author;  
        this.price = price;  
        this.num_pages = num_pages;  
    }  
}
```

```
void accept()  
{
```

```
    Scanner ss = new Scanner(System.in);  
    SOP("Enter the name of the book");  
    name = ss.next();  
    SOP("Enter the author");  
    author = ss.next();  
    SOP("Enter the price");  
    price = ss.next();  
    SOP("Enter the no of pages:");  
    num_pages = ss.next();  
}
```

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

```
    SOP("Name: "+ name);  
    SOP("Price: ", +price);  
    SOP("No of pages: "+ num_pages);  
    return ("Author: "+author);  
}
```

```

class BookMain {
    public static void main(String args[])
    {
        Scanner sc = new Scanner(System.in);
        SOP("Enter no of books:");
        int n = sc.nextInt();
        Book b[] = new Book[n];
        for (int i = 0; i < n; i++)
        {
            b[i] = new Book();
            SOP("Enter details " + (i + 1) + " book");
            b[i].accept();
        }
        for (int i = 0; i < n; i++)
        {

```

```

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

```

```

                SOP("Details of book " + (i + 1));
                SOP(b[i]);
            }
        }
    }
}

```

y.

enter the number of books

2

enter the details of 1 book

enter the name of the book

Wake

enter the author of the book

Anne

enter the price of the book

200

enter the number of pages of the book

34

enter the details of 2 book

enter the name of the book

rise

enter the author of the book

William

Enter the price of the book

45

Enter the number of pages of the book

50

Details of book 1

name: Awake

price: 200

number of pages: 234

author: Anne

Details of book 2

name: Rise

price: 245

number of pages: 450

author: William