

### Lab Program - 3

```
import java.util.*;
```

```
class Book {
```

```
    String name;
```

```
    String author;
```

```
    float Price;
```

```
    int num - pages;
```

```
    Book()
```

```
    {}
```

```
    Book(String name, String author, int price,  
        int num - pages)
```

```
    {
```

```
        this.name = name;
```

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

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

```
        this.num - pages = num - pages;
```

```
    }
```

```
    void display()
```

```
    {
```

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

```
        System.out.println("Enter name of book");
```

```
        name = inp.next();
```

```
        System.out.println("Enter author  
of book");
```

```
        author = inp.next();
```

```
System.out.println("Enter the Price of book:");  
price = inp.nextFloat();  
System.out.println("Enter number of pages of  
book");  
num-pages = inp.nextInt();  
}
```

```
public String toString()
```

```
{  
return ("Name: " + name + "\n" + "Author: "  
+ author + "\n" + "Price: " + price + "\n" +  
"Number of Pages: " + num-pages);  
}
```

```
class BookMain {
```

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

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

```
System.out.println("Enter the number of  
books");
```

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

```
Book b[] = new Book[n];
```

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

```
{
```

```
    b[i] = new Book();
```



```
System.out.println("Enter the details of book " + (i+1) + " :");
b[i].display();
}

for (int i = 0; i < n; i++)
{
    System.out.println("Details of book " + (i+1) + " :");
    System.out.println(b[i]);
}
}
```

```
C:\Users\Admin\ja>javac BookMain.java
```

```
C:\Users\Admin\ja>java BookMain
```

```
Enter the number of books:
```

```
2
```

```
Enter the details of 1 book
```

```
Enter name of book:
```

```
book1
```

```
Enter author of book:
```

```
nmn
```

```
Enter price of book:
```

```
1234
```

```
Enter number of pages of book:
```

```
123456
```

```
Enter the details of 2 book
```

```
Enter name of book:
```

```
book2
```

```
Enter author of book:
```

```
nmnb
```

```
Enter price of book:
```

```
12345
```

```
Enter number of pages of book:
```

```
5432
```

```
Details of book 1
```

```
Name: book1
```

```
Author: nmn
```

```
Price: 1234.0
```

```
Number of pages: 123456
```

```
Details of book 2
```

```
Name: book2
```

```
Author: nmnb
```

```
Price: 12345.0
```

```
Number of pages: 5432
```