

J Books.java 5 ●

J Books.java > Java > Books > main(String[] args)

```
1  import java.util.Scanner;
2
3  class Book {
4      String name;
5      String author;
6      double price;
7      int numPages;
8      Book(String name, String author, double price, int numPages) {
9          this.name=name;
10         this.author=author;
11         this.price=price;
12         this.numPages=numPages;
13     }
14     void setDetails(){
15         Scanner scanner= new Scanner(System.in);
16
17         System.out.println(x: "Enter book name");
18         this.name = scanner.nextLine();
19
20         System.out.println(x: "Enter author name");
21         this.author = scanner.nextLine();
22
23         System.out.println(x: "Enter price");
24         this.price = scanner.nextDouble();
25
26         System.out.println(x: "Enter number of pages");
27         this.numPages = scanner.nextInt();
28     }
29     void getDetails(){
30         System.out.println("Book Name: "+name);
31         System.out.println("Author: "+author);
32         System.out.println("Price: Rs "+price);
33         System.out.println("Number of Pages: "+numPages);
34     }
35     public String toString(){
36         return "Book Details:\n"+
37             "Name: " + name + "\n"+
38             "Author:" + author+ "\n"+
39             "Price: Rs" + price + "\n"+
40             "Number of Pages" + numPages;
41     }
42 }
43
```

```
44 class Books{
    Run | Debug | Run main | Debug main
45 public static void main(String[] args) {
46     Scanner scanner=new Scanner(System.in);
47     System.out.println(x: "Enter the number of books: ");
48     int n= scanner.nextInt();
49     Book[] books =new Book[n];
50     for (int i=0; i<n; i++){
51         System.out.println("\nEnter details for Book " + (i+1) + ": ");
52         books[i] = new Book(name: "", author: "", price: 0.0, numPages: 0);
53         books[i].setDetails();
54     }
55     System.out.println(x: "\nDetails for all books: ");
56     for (int i=0; i<n; i++){
57         System.out.println("\nBook " + (i+1) + ":");
58         books[i].getDetails();
59     }
60     System.out.println(x: "\nComplete details of all books: ");
61     for (int i=0; i<n; i++){
62         System.out.println("\nBook " + (i+1) + ":\n" + books[i].toString());
63     }
64 }
65 }
```

```
PS C:\Users\student\Desktop\1BM24CS336> cd "c:\Users\student\Desktop\1BM24CS336\" ; if ($?) { javac Books.java } ; if ($?) { java Books }
```

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

```
2
```

```
Enter details for Book 1:
```

```
Enter book name
```

```
Harry Potter
```

```
Enter author name
```

```
JK Rowling
```

```
Enter price
```

```
600
```

```
Enter number of pages
```

```
350
```

```
Enter details for Book 2:
```

```
Enter book name
```

```
2 States
```

```
Enter author name
```

```
Chetan Bhagat
```

```
Enter price
```

```
400
```

```
Enter number of pages
```

```
270
```

```
Details for all books:
```

```
Book 1:
```

```
Book Name: Harry Potter
```

```
Author: JK Rowling
```

```
Price: Rs 600.0
```

```
Number of Pages: 350
```

```
Book 2:
```

```
Book Name: 2 States
```

```
Author: Chetan Bhagat
```

```
Price: Rs 400.0
```

```
Number of Pages: 270
```

```
Complete details of all books:
```

```
Book 1:
```

```
Book Details:
```

```
Name: Harry Potter
```

```
Author:JK Rowling
```

```
Price: Rs600.0
```

```
Number of Pages350
```

```
Book 2:
```

```
Book Details:
```

```
Name: 2 States
```

```
Author:Chetan Bhagat
```

```
Price: Rs400.0
```

```
Number of Pages270
```

```
PS C:\Users\student\Desktop\1BM24CS336> 
```