

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 }
```

```
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("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("Details 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("Complete 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> []
```