

C:\Users\Aruna Ravi\SetBookDetails.java - Notepad++

File Edit Search View Encoding Language Settings Macro Run Plugins Window ?

ex2.java ex3.java javapgl.java new 1.txt new 1.html AbstractExample.java CalculateCGPA.java SetBookDetails.java new 1

```
1 import java.util.Scanner;
2 import java.util.ArrayList;
3
4 class Book{
5     String name;
6     String author;
7     float price;
8     long num_pages;
9
10    public Book(String bookName, String authName, float book_price, long num){
11        this.name = bookName;
12        this.author = authName;
13        this.price = book_price;
14        this.num_pages = num;
15    }
16
17    public String getName(){
18        return this.name;
19    }
20
21    public String getAuthor(){
22        return this.author;
23    }
24
25    public float getPrice(){
26        return this.price;
27    }
28
29    public long getNumPages(){
30        return this.num_pages;
31    }
32
33    public void setBook(String enteredName, String enteredAuthor, float enteredPrice, long enteredNumPages){
34        this.name = enteredName;
35        this.author = enteredAuthor;
36        this.price = enteredPrice;
37        this.num_pages = enteredNumPages;
38    }
39
40
41    public void toBookString(){
42        System.out.println("Name : " + this.name);
43        System.out.println("Author : " + this.author);
44        System.out.println("Price : " + this.price);
45    }
46 }
```

Java source file

length: 1,798 lines: 67 Ln: 56 Col: 54 Sel: 0 | 0 Windows (CR LF) UTF-8 OVR

Type here to search

11:31 AM 11/3/2020

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ex2.java ex3.java javapgl.java new 1.txt new 1.html AbstractExample.java CalculateCGPA.java SetBookDetails.java new 1

```
24
25 public float getPrice(){
26     return this.price;
27 }
28
29 public long getNumPages(){
30     return this.num_pages;
31 }
32
33 public void setBook(String enteredName, String enteredAuthor, float enteredPrice, long enteredNumPages){
34     this.name = enteredName;
35     this.author = enteredAuthor;
36     this.price = enteredPrice;
37     this.num_pages = enteredNumPages;
38 }
39
40
41 public void toBookString(){
42     System.out.println("Name : " + this.name);
43     System.out.println("Author : " + this.author);
44     System.out.println("Price : " + this.price);
45     System.out.println("Number of Pages : " + this.num_pages);
46     System.out.println("\n");
47 }
48
49 }
50
51 class SetBookDetails{
52     public static void main(String[] args){
53         Scanner getNum = new Scanner(System.in);
54         System.out.println("Enter the number of books: ");
55         int numBooks = getNum.nextInt();
56         ArrayList<Book> bookList = new ArrayList<Book>();
57         Scanner takeInput = new Scanner(System.in);
58         for(int i=0;i<numBooks;i++){
59             System.out.println("Enter the details of the book " + i + ": ");
60             bookList.add(new Book(takeInput.next(),takeInput.next(),takeInput.nextFloat(),takeInput.nextInt()));
61         }
62         System.out.println("\n***** BOOK DETAILS *****\n");
63         for(int j=0;j<numBooks;j++){
64             bookList.get(j).toBookString();
65         }
66     }
67 }
```

Java source file

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Command Prompt

C:\Users\Aruna Ravi>java SetBookDetails

Enter the number of books:

2

Enter the details of the book 0:

java

RT

300

500

Enter the details of the book 1:

Maths

DSC

250

450

***** BOOK DETAILS *****

Name : java

Author : RT

Price : 300.0

Number of Pages : 500

Name : Maths

Author : DSC

Price : 250.0

Number of Pages : 450

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Type here to search



ENG

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11/3/2020

