

Labprog3 Notepad

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import java.util.Scanner;

```
class Book{
    String name,author;
    double price;
    int num_pages;
    Scanner sc = new Scanner(System.in);

    Book(){

    }

    Book(String name, String author, double price, int pages){
        this.name = name;
        this.author = author;
        this.price = price;
        this.num_pages = pages;
    }

    void setDetails(){
        System.out.print("Enter name of the book: ");
        this.name = sc.nextLine();
        System.out.print("Enter the author of the book: ");
        this.author = sc.nextLine();
        System.out.print("Enter the price: ");
        this.price = sc.nextDouble();
        System.out.print("Enter the number of pages: ");
        this.num_pages = sc.nextInt();
    }

    void getDetails(){
        System.out.println("Name: " + name);
        System.out.println("Author: " + author);
        System.out.println("Price: " + price);
        System.out.println("Number of pages: " + num_pages);
    }

    public String toString(){
        return("Name: " + name + "\nAuthor: " + author + "\nPrice: " + price + "\nNumber of pages: " + num_pages);
    }
}
```

```
Labprog3 - Notepad
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}

void getDetails(){
    System.out.println("Name: " + name);
    System.out.println("Author: " + author);
    System.out.println("Price: " + price);
    System.out.println("Number of pages: " + num_pages);
}

public String toString(){
    return("Name: " + name + "\nAuthor: " + author + "\nPrice: " + price + "\nNumber of pages: " + num_pages);
}

}

public class Labprog3{
    public static void main(String args[]) {
        int n;
        Book books[];
        Book myBook = new Book("Chamber Of Secrets", "J.K Rowling", 35.55, 367);
        Scanner sc = new Scanner(System.in);

        System.out.print("Enter number of books: ");
        n = sc.nextInt();
        books = new Book[n];

        for(int i=0;i<books.length;i++){
            System.out.println("Enter details for book " + (i+1) + ": ");
            books[i] = new Book();
            books[i].setDetails();
        }
        for(int i=0;i<books.length;i++){
            System.out.println("Details of book " + (i+1) + ": ");
            books[i].getDetails();
            System.out.println();
        }

        System.out.println(myBook);

    }
}

Ln 70, Col 2    100%    Windows (CRLF)    UTF-8
```

Command Prompt
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```
:\Users\W1957>cd desktop  
:\Users\W1957\Desktop>cd java lab  
:\Users\W1957\Desktop\java lab>javac Labprog1.java
```

```
:\Users\W1957\Desktop\java lab>java Labprog1
```

```
enter number of books: 3  
enter details for book 1:  
enter name of the book: abc  
enter the author of the book: neehal  
enter the price: 231  
enter the number of pages: 399  
enter details for book 2:  
enter name of the book: xyz  
enter the author of the book: arnav  
enter the price: 300  
enter the number of pages: 455  
enter details for book 3:  
enter name of the book: ghi  
enter the author of the book: aman  
enter the price: 40  
enter the number of pages: 100  
details of book 1:
```

```
name: abc  
author: neehal  
price: 231.0  
number of pages: 399
```

```
details of book 2:  
name: xyz  
author: arnav  
price: 300.0  
number of pages: 455
```

```
details of book 3:  
name: ghi  
author: aman  
price: 40.0  
number of pages: 100
```

```
name: Chamber Of Secrets  
author: J.K Rowling  
price: 35.55  
number of pages: 307
```

```
:\Users\W1957\Desktop\java lab>
```