

Week 5 - LAB 3 Program

```
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 + " \n Author:" + author + " \n  
        Price + " \n Number 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);
```

```
    }
```

```
}
```