

Lab program 3

```
import java.util.Scanner;
```

```
class Book {
```

```
    private String name;
```

```
    private String author;
```

```
    private double price;
```

```
    private int num_pages;
```

```
    public Book(String name, String author, double price, int num_pages) {
```

```
        this.name = name;
```

```
        this.author = author;
```

```
        this.price = price;
```

```
        this.num_pages = num_pages;
```

```
    }
```

```
    public String getName() {
```

```
        return name;
```

```
    }
```

```
    public String getAuthor() {
```

```
        return author;
```

```
    }
```

```
    public double getPrice() {
```

```
        return price;
```

```
    }
```

```
    public int getNumPages() {
```

```
        return num_pages;
```

```
    }
```

```
    public void setName(String name) {
```

```
        this.name = name;
```

```
    }
```

```

public void setAuthor(String author) {
    this.author = author;
}

public void setPrice(double price) {
    this.price = price;
}

public void setNumPages(int num_pages) {
    this.num_pages = num_pages;
}

public String toString() {
    return "Book Details:\n" +
        " Name:   " + name + "\n" +
        " Author:  " + author + "\n" +
        " Price:   $" + String.format("%.2f", price) + "\n" +
        " Pages:   " + num_pages;
}
}

public class BookDemo {

    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        System.out.print("How many books do you want to create? ");

        int n = scanner.nextInt();

        scanner.nextLine();

        Book[] books = new Book[n];

        for (int i = 0; i < n; i++) {

            System.out.println("\n--- Enter Details for Book " + (i + 1) + " ---");

            System.out.print("Enter Name: ");

            String name = scanner.nextLine();

```

```

System.out.print("Enter Author: ");

String author = scanner.nextLine();

System.out.print("Enter Price: ");

double price = scanner.nextDouble();

System.out.print("Enter Number of Pages: ");

int num_pages = scanner.nextInt();

scanner.nextLine();

books[i] = new Book(name, author, price, num_pages);

}

System.out.println("  Displaying All Book Details");

for (int i = 0; i < books.length; i++) {

    System.out.println(books[i]);

}

scanner.close();

}

}

```

```

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS C:\Users\Saanvi\OneDrive\Desktop\oops_1BF424CS260> javac BookDemo.java
PS C:\Users\Saanvi\OneDrive\Desktop\oops_1BF424CS260> java BookDemo
How many books do you want to create? 2

--- Enter Details for Book 1 ---
Enter Name: Normal People
Enter Author: Sally Rooney
Enter Price: 500
Enter Number of Pages: 600

--- Enter Details for Book 2 ---
Enter Name: Wuthering Heights
Enter Author: Emily Bronte
Enter Price: 300
Enter Number of Pages: 800
  Displaying All Book Details
Book Details:
Name:    Normal People
Author:  Sally Rooney
Price:   $500.00
Pages:   600
-----
Book Details:
Name:    Wuthering Heights
Author:  Emily Bronte
Price:   $300.00
Pages:   800
-----
PS C:\Users\Saanvi\OneDrive\Desktop\oops_1BF424CS260>

```

Build with Agent

AI responses may be inaccurate.
[Generate Agent Instructions](#) to onboard AI onto your codebase.

SUGGESTED ACTIONS

Build Workspace Show Config

BookDemo.java +

Describe what to build next

Agent Auto Auto

Ln 82, Col 69 Spaces: 4 UTF-8 CRLF Java