

### Part 3

```
1 package edu.cpp.quiz1;
2
3 import java.util.ArrayList;
4 import java.util.List;
5
6 public class DeepCopyDriver {
7     public static void main(String[] args) {
8         // Part 3) Create a book with BookDeepCopy and then create a clone of the book.
9         // Modify the chapters of the original book only and show the outputs of both books
10        System.out.println("=====Book Deep Copy=====");
11        List<String> deepChapters = new ArrayList<>();
12        deepChapters.add("Introduction");
13        deepChapters.add("How to write a deep Java program");
14        BookDeepCopy originalDeep = new BookDeepCopy("Deep Copy Book", "Mr Peter",
deepChapters);
15        BookDeepCopy copyDeep = originalDeep.clone();
16        System.out.println("Original: " + originalDeep);
17        System.out.println("Copy:      " + copyDeep);
18
19        System.out.println("-----After modification of original-----");
20        originalDeep.getChapters().add("How to run a deep Java program");
21        originalDeep.getChapters().set(0, "Introduction to deep copy");
22        System.out.println("Original: " + originalDeep);
23        System.out.println("Copy:      " + copyDeep);
24    }
25 }
26
```