```java
1   package Assign_5;
2
3   /* StudentName: Jiachao Wu
4    *
5    * Student Number:5726922
6    *
7    * Date:2016/4/4  */
8
9   import java.io.Serializable;
10
11  public class ChapterImpl{
12
13      private String serialNum ;
14      private String author ;
15      private String title ;
16      private int pages ;
17      private double royalty ;
18      private int  NumChap;  //number of chapters
19      private double price;
20      private Chapter aChapter;
21
22      public ChapterImpl(){
23          serialNum = null ;
24          author = null ;
25          title = null ;
26          pages = 0 ;
27          price = 0 ;
28      }
29
30      public String getSerialNum(){
31          return serialNum ;
32      }
33
34      public int getNumChapter(){
35
36        return NumChap;
37      }
38
39      public String getChapAuthor(){
40          return author ;
41      }
42
43      public String getChapTitle(){
44          return title ;
45      }
46
47      public int getPages(){
48          return pages ;
49      }
50      public double getRoyalty(){
51        return royalty;
52      }
53
54      public double calCost(){
55          double price;
56          int p;   // for the pages of chapter
57          price = 0.25*p+aChapter.getRoyalty()*p;
58          return price ;
59      }
60
61
```

```
62  }
```