

```

1  package Assign_5;
2
3
4  /* StudentName: Jiachao Wu
5   *
6   * Student Number:5726922
7   *
8   * Date:2016/4/4 */
9
10 import java.util.*;
11 import BasicIO.*;
12 import static BasicIO.Formats.*;
13
14 class Catalogue {
15
16
17     private ReportPrinter  report;    // printer file for the report
18     private Book           theBook;   //book report is about
19     private Chapter aChapter;
20
21     public Catalogue ( Book aBook ) {
22         report = new ReportPrinter(false);
23         theBook = aBook;
24         initReport();
25     }
26 }; // constructor
27
28
29     public void writeDetailLine ( Chapter aChapter ) {
30
31
32         for ( int i=0 ; i<aChapter.getNumChapter(); i++ ) {
33
34             report.writeString(aChapter.getChapTitle());
35             report.writeString(aChapter.getChapAuthor());
36             report.writeInt(oddPage(aChapter.getPages()));
37         }
38     }; // writeDetailLine
39
40
41     public int oddPage( int p ){
42
43         p = aChapter.getPages();
44         if (p%2==0){
45             p= p+1;}
46         else{ p = p+2;
47             }
48         return p;
49     }
50
51     public void close ( ) {
52
53         report.close();
54
55     }; // close
56
57
58
59     private void initReport ( ) {
60
61         report.setTitle(theBook.getBookTitle(),"ISBN",theBook.getISBN(),"Price",

```

```
62         getDateInstance(), theBook.calPrice());
63     report.addField("Title", "Title", 20);
64     report.addField("author", "author", 20);
65     report.addField("Page", "Page", 10);
66 }; // initReport
67
68
69 } // Catalogue
```