

```
1 import java.util.Scanner;
2 class Book
3 {
4     String bookid,booktitle,author,publisher;
5     double price;
6     int no_of_pages,year_of_pub;
7
8     Scanner ss=new Scanner(System.in);
9
10    Book()
11    {
12        bookid="123456";
13        booktitle "Harry Potter";
14        no_of_pages=500;
15        year_of_pub=1997;
16        author="J K Rowling";
17        publisher="Bloomsbury";
18        price=1200;
19    }
20
21    Book(String bid,String btitle,int nop,int yop,String auth,String pub,double pri)
22    {
23        bookid=bid;
24        booktitle=btitle;
25        no_of_pages=nop;
26        year_of_pub=yop;
27        author=auth;
28        publisher=pub;
29        price=pri;
30    }
31 }
```

```
62:     String getAuthor()
63:     {
64:         return this.author;
65:     }
66: }
67:
68: class Library{
69:     public static void main(String args[])
70:     {
71:         Scanner ss=new Scanner(System.in);
72:         Book b1=new Book();
73:         Book b2=new Book("67890","OutBreak",450,2020,"Robin Cook","McGrawHill",1500);
74:         b1.printDetails();
75:         b2.printDetails();
76:         System.out.println("Enter the author name: ");
77:         String auth=ss.next();
78:         if(b1.getAuthor()==auth)
79:         {
80:             System.out.println("The book is: ");
81:             b1.printDetails();
82:         }
83:         else if(b2.getAuthor()==auth)
84:         {
85:             System.out.println("The book is: ");
86:             b2.printDetails();
87:         }
88:         else
89:             System.out.println("There is no book name with the author "+auth);
90:
91:         if(b1.price>b2.price)
92:             System.out.println("The most expensive book is: "+b1.booktitle);
93:     }
94: }
```

```
33 void getDetails()
34 {
35     System.out.println("\nEnter the Book Details: ");
36     System.out.println("\nTitle: ");
37     booktitle=ss.next();
38     System.out.println("ID: ");
39     bookid=ss.next();
40     System.out.println("Number of pages: ");
41     no_of_pages=ss.nextInt();
42     System.out.println("Year of publish: ");
43     year_of_pub=ss.nextInt();
44     System.out.println("Author: ");
45     author=ss.next();
46     System.out.println("Publisher: ");
47     publisher=ss.next();
48 }
49
50 void printDetails()
51 {
52     System.out.println("\nThe player details are: ");
53     System.out.println("\nBook Title: "+booktitle);
54     System.out.println("\nID: "+bookid);
55     System.out.println("\nNumber of pages: "+no_of_pages);
56     System.out.println("\nYear of Publish: "+year_of_pub);
57     System.out.println("\nAuthor: "+author);
58     System.out.println("\nPublisher: "+publisher);
59     System.out.println("\nPrice: "+price);
60 }
61
62 String getAuthor()
63 {
64     return this.author;
```

```
76:     System.out.println("Enter the author name: ");
77:     String auth=ss.next();
78:     if(b1.getAuthor()==auth)
79:     {
80:         System.out.println("The book is: ");
81:         b1.printDetails();
82:     }
83:     else if(b2.getAuthor()==auth)
84:     {
85:         System.out.println("The book is: ");
86:         b2.printDetails();
87:     }
88:     else
89:         System.out.println("There is no book name with the author "+auth);
90:
91:     if(b1.price>b2.price)
92:         System.out.println("The most expensive book is: "+b1.booktitle);
93:     else
94:         System.out.println("The most expensive book is: "+b2.booktitle);
95:
96:     if(b1.no_of_pages<b2.no_of_pages)
97:         System.out.println("The book with the least number of pages: "+b1.booktitle);
98:     else
99:         System.out.println("The book with the least number of pages: "+b2.booktitle);
100: }
101: }
```

