

Main.java

```
1  import java .util.*;
2  class Book
3  {
4      int bookid;
5      String booktitle;
6      int no_of_pages;
7      int year_of_pub;
8      String author;
9      String publisher;
10     int price;
11     int accept()
12     {
13         Scanner sc=new Scanner(System.in);
14         System.out.println("Enter Book ID");
15         bookid=sc.nextInt();
16         System.out.println("Enter Book Title");
17         booktitle=sc.next();
18         System.out.println("Enter number of pages of the book");
19         no_of_pages=sc.nextInt();
20         System.out.println("Enter year of publish");
21         year_of_pub=sc.nextInt();
22         System.out.println("Enter Name of Author");
23         author=sc.next();
24         System.out.println("Enter Name of Publisher");
25         publisher=sc.next();
26         System.out.println("Enter Book Price");
27         price=sc.nextInt();
28         return price;
29     }
30     void display()
```

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```
30 void display()
31 {
32     System.out.print("Book ID="+bookid+"\t");
33     System.out.print("Book Title="+booktitle+"\t");
34     System.out.print("Number of pages="+no_of_pages+"\t");
35     System.out.print("Year of publish="+year_of_pub+"\t");
36     System.out.print("Name of author="+author+"\t");
37     System.out.print("Name of publisher="+publisher+"\t");
38     System.out.print("Book Price="+price+"\t");
39 }
40 void title()
41 {
42     System.out.println("The book Title of the most expensive book is "+booktitle);
43 }
44 int year()
45 {
46     if(year_of_pub==2020)
47         return 1;
48     else
49         return 0;
50 }
51 int pages()
52 {
53     return no_of_pages;
54 }
55 }
56 public class Main
57 {
58     public static void main(String args[])
59     {
60         Scanner sc=new Scanner(System.in);
61         int p1,p2,p3;
62         Book b1=new Book();
```

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```
53     return no_of_pages;
54 }
55 }
56 public class Main
57 {
58     public static void main(String args[])
59     {
60         Scanner sc=new Scanner(System.in);
61         int p1,p2,p3;
62         Book b1=new Book();
63         Book b2=new Book();
64         Book b3=new Book();
65         p1=b1.accept();
66         p2=b2.accept();
67         p3=b3.accept();
68         System.out.println("Enter which book you want to display");
69         int a=sc.nextInt();
70         if(a==1)
71             b1.display();
72         else if(a==2)
73             b2.display();
74         else if(a==3)
75             b3.display();
76         else
77             System.out.println("Invalid book ID");
78         System.out.println("The Details of the most Expensive book");
79         if(p1>p2&& p1>p3)
80             b1.title();
81         if(p2>p1&& p2>p3)
82             b2.title();
83         if(p3>p1&& p3>p2)
84             b3.title();
85         int x1=0;
```

```

70     if(a==1)
71         b1.display();
72     else if(a==2)
73         b2.display();
74     else if(a==3)
75         b3.display();
76     else
77         System.out.println("Invalid book ID");
78     System.out.println("The Details of the most Expensive book");
79     if(p1>p2&& p1>p3)
80         b1.title();
81     if(p2>p1&& p2>p3)
82         b2.title();
83     if(p3>p1&& p3>p2)
84         b3.title();
85     int x1=0;
86     x1=x1+b1.year();
87     x1=x1+b2.year();
88     x1=x1+b3.year();
89     System.out.println("The number of book published in 2020="+x1);
90     int y1=b1.pages();
91     int y2=b2.pages();
92     int y3=b3.pages();
93     System.out.println("The details of the book with the least number of pages");
94     if(y1<y2&& y1<y3)
95         b1.display();
96     else if(y2<y1&& y2<y3)
97         b2.display();
98     else if(y3<y1&& y3<y2)
99         b3.display();
100 }
101 }

```