quadpractice.java   sumoddeven.java   sign.java   bill.java   average.java   Plmain.java

```java
import java.util.Scanner;
class Player{
int id;
String Name;
int score[];
int no_matches_played;
float avg;
int totalScore;
Scanner sc = new Scanner(System.in);

Player(){
id = 0;
Name = null;
}

Player(int pid,String pname,int matchesPlayed,int run[]){
id = pid;
Name = pname;
no_matches_played =  matchesPlayed;
score = run;
}

void calcTotalscore(){
for(int i=0;i<no_matches_played;i++)
 {
   totalScore+=score[i];
  }
}

void getPlayerData(){
System.out.println("Enter the Player Id:");
id = sc.nextInt();
System.out.println("Enter the Player Name:");
Name = sc.next();
System.out.println("Enter the no. of matches played:");
no_matches_played = sc.nextInt();
score= new int[no_matches_played];
for(int i=0;i<no_matches_played;i++)
 {
   System.out.println("enter the score in the match"+(i+1)+":");
   score[i] = sc.nextInt();
   totalScore+=score[i];
  }
```

quadpractice.java ☒   sumoddeven.java ☒   sign.java ☒   bill.java ☒   average.java ☒   Plmain.java ☒

```java
35    System.out.println("Enter the no. of matches played:");
36    no_matches_played = sc.nextInt();
37    score= new int[no_matches_played];
38    for(int i=0;i<no_matches_played;i++)
39    {
40      System.out.println("enter the score in the match"+(i+1)+":");
41      score[i] = sc.nextInt();
42      totalScore+=score[i];
43    }
44  }
45
46  void printPlayerData(){
47   System.out.println("Player Id:"+id);
48   System.out.println("Player Name:"+Name);
49   System.out.println("number of matches played by player:"+no_matches_played);
50   for(int i=0;i<no_matches_played;i++)
51   {
52      System.out.println("score in the match"+(i+1)+":"+score[i]);
53   }
54   System.out.println("average score:"+avg);
55  }
56
57  float calcAverage(){
58   avg = (float)(totalScore/no_matches_played);
59   return avg;
60   }
61  }
62
63  public class Plmain{
64  public static void main(String[] args){
65   int score[] = {50,70,20};
66   Player p1 = new Player(07,"Dhoni",3,score);
67   p1.calcAverage();
68   Player p2 = new Player();
69   p2.getPlayerData();
70   if(p1.calcAverage()>p2.calcAverage())
71   {
72     p1.printPlayerData();
73   }
74  else{
75    p2.printPlayerData();
76    }
77  }
```

```
C:\java lab>javac Plmain.java

C:\java lab>java Plmain
Enter the Player Id:
18
Enter the Player Name:
sachin
Enter the no. of matches played:
5
enter the score in the match1:
1
enter the score in the match2:
2
enter the score in the match3:
3
enter the score in the match4:
4
enter the score in the match5:
5
Player Id:18
Player Name:sachin
number of matches played by player:5
score in the match1:1
score in the match2:2
score in the match3:3
score in the match4:4
score in the match5:5
average score:3.0
```
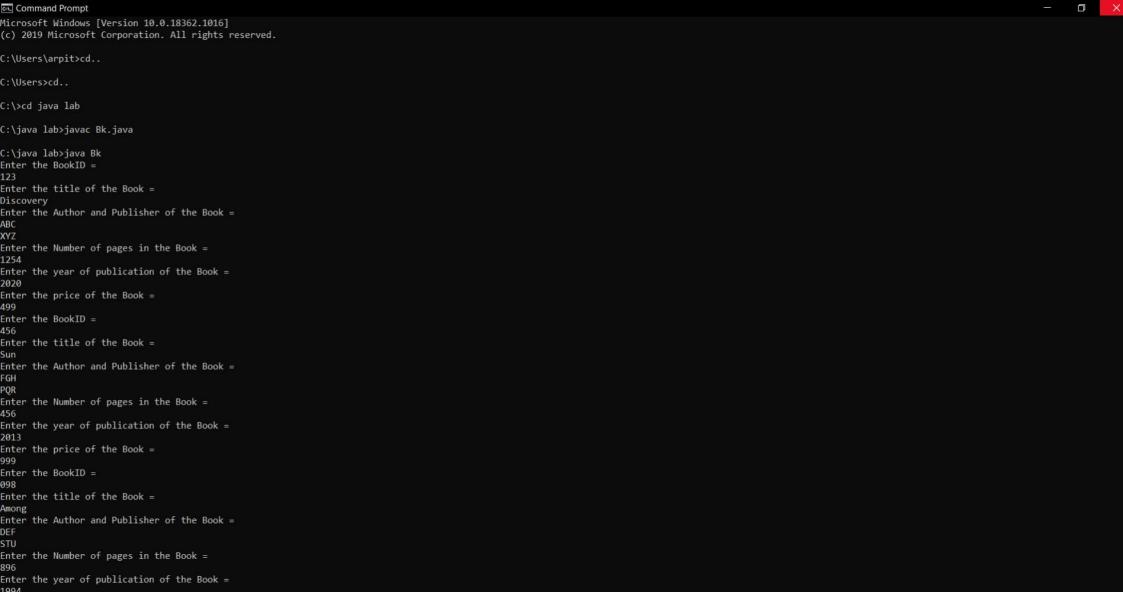
File   Edit   Search   View   Encoding   Language   Settings   Tools   Macro   Run   Plugins   Window   ?   X

```java
import java.util.Scanner;
class Book{
int i,no_of_pages;
double year_of_pub;
float price;
String bookid;
String booktitle;
String author;
String publisher;

void inputdata(){
Scanner sc=new Scanner(System.in);
System.out.println("Enter the BookID =");
bookid=sc.next();
System.out.println("Enter the title of the Book =");
booktitle=sc.next();
System.out.println("Enter the Author and Publisher of the Book =");
author=sc.next();
publisher=sc.next();
System.out.println("Enter the Number of pages in the Book =");
no_of_pages=sc.nextInt();
System.out.println("Enter the year of publication of the Book =");
year_of_pub=sc.nextDouble();
System.out.println("Enter the price of the Book =");
price=sc.nextFloat();
}

void outputdata(){
System.out.print("<--------------BOOK Details:-------------->\n");
System.out.println("BookID ="+bookid+"\n");
System.out.println("The Title of the Book ="+booktitle+"\n");
System.out.println("The Author and Publisher of the Book ="+author+publisher+"\n");
System.out.println("The Number of pages in the Book ="+no_of_pages+"\n");
System.out.println("The year of publication of the Book ="+year_of_pub+"\n");
System.out.println("The price of the Book ="+price+"\n");
}

float expbk(){
return price;
}
void bktitle(){
System.out.print("The Most Expensive Book = "+booktitle+"\n");
}
```

```java
45     return no_of_pages;
46     }
47   double year(){
48     return year_of_pub;
49     }
50   }
51
52   class Bk{
53   public static void main(String[] args) {
54     int count=0;
55     Book b1=new Book();
56     Book b2=new Book();
57     Book b3=new Book();
58     b1.inputdata();
59     b2.inputdata();
60     b3.inputdata();
61     b1.outputdata();
62     b2.outputdata();
63     b3.outputdata();
64     if((b1.expbk()>b2.expbk()) && (b1.expbk()>b3.expbk()))
65     b1.bktitle();
66     if((b2.expbk()>b1.expbk()) && (b2.expbk()>b3.expbk()))
67     b2.bktitle();
68     if((b3.expbk()>b1.expbk()) && (b3.expbk()>b2.expbk()))
69     b3.bktitle();
70
71     if (b1.year()==2020)
72     count++;
73     if (b2.year()==2020)
74     count++;
75     if (b2.year()==2020)
76     count++;
77     System.out.println("No.of books published in 2020 ="+count+"\n");
78
79     System.out.println("<-------------DETAILS of the Book with least pages-------------->\n");
80     if((b1.page()<b2.page()) && (b1.page()<b3.page()))
81     b1.outputdata();
82     else if((b2.page()<b1.page()) && (b2.page()<b3.page()))
83     b2.outputdata();
84     else
85     b3.outputdata();
86
87   }
```

```
Microsoft Windows [Version 10.0.18362.1016]
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C:\Users\arpit>cd..

C:\Users>cd..

C:\>cd java lab

C:\java lab>javac Bk.java

C:\java lab>java Bk
Enter the BookID =
123
Enter the title of the Book =
Discovery
Enter the Author and Publisher of the Book =
ABC
XYZ
Enter the Number of pages in the Book =
1254
Enter the year of publication of the Book =
2020
Enter the price of the Book =
499
Enter the BookID =
456
Enter the title of the Book =
Sun
Enter the Author and Publisher of the Book =
FGH
PQR
Enter the Number of pages in the Book =
456
Enter the year of publication of the Book =
2013
Enter the price of the Book =
999
Enter the BookID =
098
Enter the title of the Book =
Among
Enter the Author and Publisher of the Book =
DEF
STU
Enter the Number of pages in the Book =
896
Enter the year of publication of the Book =
1994
```

The Title of the Book =Sun

The Author and Publisher of the Book =FGHPQR

The Number of pages in the Book =456

The year of publication of the Book =2013.0

The price of the Book =999.0

<-------------BOOK Details:-------------->
BookID =098

The Title of the Book =Among

The Author and Publisher of the Book =DEFSTU

The Number of pages in the Book =896

The year of publication of the Book =1994.0

The price of the Book =500.0

The Most Expensive Book = Sun
No.of books published in 2020 =1

<------------DETAILS of the Book with least pages-------------->

<--------------BOOK Details:---------------->
BookID =456

The Title of the Book =Sun

The Author and Publisher of the Book =FGHPQR

The Number of pages in the Book =456

The year of publication of the Book =2013.0

The price of the Book =999.0

C:\java lab>javac Bk.java