

```
Pmain.java - Notepad
File Edit Format View Help
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);
public Player(){
id = 0;
Name = "notassigned";
}
public 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 Name:");
Name = sc.nextLine();
System.out.println("Enter the Player Id:");
id = sc.nextInt();
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];
}
}
void printPlayerData(){
System.out.println("Player Id:"+id);
}
```

```
C:\WINDOWS\system32\cmd.exe
(c) 2019 Microsoft Corporation. All rights reserved.
C:\Users\Appy>cd desktop
C:\Users\Appy\Desktop>cd java lab
C:\Users\Appy\Desktop\java lab>javac Pmain.java
C:\Users\Appy\Desktop\java lab>java Pmain
Enter the Player Name:
Virat
Enter the Player Id:
18
Enter the no. of matches played:
3
enter the score in the match1:
50
enter the score in the match2:
85
enter the score in the match3:
78
Player Id:18
Player Name:Virat
number of matches played by player:3
score in the match1:50
score in the match2:85
score in the match3:78
average score:71.0
C:\Users\Appy\Desktop\java lab>
```

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```
Pmain.java - Notepad
File Edit Format View Help
id = sc.nextInt();
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];
}
}

void printPlayerData(){
System.out.println("Player Id:"+id);
System.out.println("Player Name:"+Name);
System.out.println("number of matches played by player:"+no_matches_played);
for(int i=0;i<no_matches_played;i++)
{
    System.out.println("score in the match"+(i+1)+"="+score[i]);
}
System.out.println("average score:"+avg);
}

float calcAverage(){
avg = (float)(totalScore/no_matches_played);
return avg;
}
}

public class P1main{
public static void main(String[] args){
int score[] = {50,70,20};
Player p1 = new Player(07,"Dhoni",3,score);
p1.calcAverage();
Player p2 = new Player();
p2.getPlayerData();
if(p1.calcAverage()>p2.calcAverage())
{
    p1.printPlayerData();
}
else{
    p2.printPlayerData();
}
}
}
```

```
C:\WINDOWS\system32\cmd.exe
(c) 2019 Microsoft Corporation. All rights reserved.
C:\Users\Apny>cd desktop
C:\Users\Apny\Desktop>cd java lab
C:\Users\Apny\Desktop\java lab>javac P1main.java
C:\Users\Apny\Desktop\java lab>java P1main
Enter the Player Name:
Virat
Enter the Player Id:
18
Enter the no. of matches played:
3
enter the score in the match1:
50
enter the score in the match2:
85
enter the score in the match3:
78
Player Id:18
Player Name:Virat
number of matches played by player:3
score in the match1:50
score in the match2:85
score in the match3:78
average score:71.0
C:\Users\Apny\Desktop\java lab>
```

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EXPLORER

OPEN EDITORS

Welcome

Bookmain.java X

C:\Users\Appy\Desktop>java lab> Bookmain.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 Setdata(){
        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 Getdata(){
        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");
    }
}
```

C:\WINDOWS\system32\cmd.exe

Microsoft Windows [Version 10.0.18362.1000] (c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\Appy>cd desktop

C:\Users\Appy\Desktop>cd java lab

C:\Users\Appy\Desktop\java lab>javac Bookmain.java

C:\Users\Appy\Desktop\java lab>java Bookmain

Enter the BookID = 01

Enter the title of the Book = abc

Enter the Author and Publisher of the Book = q tt

Enter the Number of pages in the Book = 120

Enter the year of publication of the Book = 2020

Enter the price of the Book = 150

Enter the BookID =



OUTLINE

0 0 0

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Ln 78, Col 52 Spaces: 4 UTF-8 CRLF Java

Microsoft Windows [Version 10.0.18362.1082]
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C:\Users\Appy>cd desktop

C:\Users\Appy\Desktop>cd java lab

C:\Users\Appy\Desktop\java lab>javac Bookmain.java

C:\Users\Appy\Desktop\java lab>java Bookmain

Enter the BookID =

01

Enter the title of the Book =

abc

Enter the Author and Publisher of the Book =

q tt

Enter the Number of pages in the Book =

120

Enter the year of publication of the Book =

2020

Enter the price of the Book =

150

Enter the BookID =

02

Enter the title of the Book =

def

Enter the Author and Publisher of the Book =

r uu

Enter the Number of pages in the Book =

160

Enter the year of publication of the Book =

2020

Enter the price of the Book =

180

Enter the BookID =

Bookmain.java X

Appy > Desktop > java lab > Bookmain.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 Setdata(){
        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 Getdata(){
        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");
    }
}
```

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Ln 78, Col 52 Spaces: 4 UTF-8 CRLF Java

```
The year of publication of the Book =2020
.0

The price of the Book =180.0

BookID =03

The Title of the Book =ghi

The Author and Publisher of the Book =skk

The Number of pages in the Book =100

The year of publication of the Book =2019
.0

The price of the Book =200.0

The Most Expensive Book = ghi
No.of books published in 2020 =3

<-----DETAILS of the Book with le
ast pages----->

BookID =03

The Title of the Book =ghi

The Author and Publisher of the Book =skk

The Number of pages in the Book =100

The year of publication of the Book =2019
.0

The price of the Book =200.0

C:\Users\Appy\Desktop\java lab>
```

Bookmain.java X

Appy > Desktop > java lab > Bookmain.java

```
b2.Setdata();
b3.Setdata();
b1.Getdata();
b2.Getdata();
b3.Getdata();
if((b1.RetPrice()>b2.RetPrice()) && (b1.RetPrice()>b3.RetPrice()))
b1.BookTitle();
if((b2.RetPrice()>b1.RetPrice()) && (b2.RetPrice()>b3.RetPrice()))
b2.BookTitle();
if((b3.RetPrice()>b1.RetPrice()) && (b3.RetPrice()>b2.RetPrice()))
b3.BookTitle();

if (b1.year()==2020)
count++;
if (b2.year()==2020)
count++;
if (b2.year()==2020)
count++;
System.out.println("No.of books published in 2020 =" +count+"\n");

System.out.println("book with least no. of pages");
if((b1.page()<b2.page()) && (b1.page()<b3.page()))
b1.Getdata();
else if((b2.page()<b1.page()) && (b2.page()<b3.page()))
b2.Getdata();
else
b3.Getdata();
}
}
```

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