

Week-2

```
1. player.java
import java.util.Scanner;

class player {
    double id;
    char name;
    double score;
    double noOfMatches;

    player (double i, char n, double sc, double nm) {
        id = i;
        name = n;
        score = sc;
        noOfMatches = nm;
    }
}
```

```
double average() {
    return ((score) / (noOfMatches));
}
```

```
public class playerDemo {
```

```
    public static void main() {
```

```
        player player1 = new player (232, 'V', 300, 5);
        player player2 = new player (675, 'S', 500, 10);
        double average;
```

```

average = player1.average();
System.out.println("average is:" + average);
average = player2.average();
System.out.println("average is:" + average);
if (player1.average() > player2.average())
{
    System.out.println("average score of player1 is
                        more");
}
else
{
    System.out.println("average score of player2
                        is more");
}
}

```

### Output :

average is : 60.0  
 average is = 50.0.  
 average score of player1 is more

```

1 import java.util.Scanner;
2 class player
3 {
4
5     double id;
6     char name;
7     double scores;
8     double noofmatches;
9     player(double i,char n,double sc,double nm)
10    {
11        id=i;
12        name=n;
13        scores=sc;
14        noofmatches=nm;
15    }
16    double average()
17    {
18        return ((scores)/(noofmatches));
19    }
20 }
21 public class playerDemo
22 {
23     public static void main(String[] args)
24     {
25         player player1=new player(232,'v',300,5);
26         player player2=new player(675,'s',500,10);
27         double average;
28         average=player1.average();
29         System.out.println("average is:"+average);
30         average=player2.average();
31         System.out.println("average is:"+average);
32         if(player1.average()>player2.average())
33         {
34             System.out.println("average score of player1 is more");
35         }
36         else
37         {
38             System.out.println("average score of player2 is more");
39         }
40     }
41 }

```

```
$javac playerDemo.java
```

```
$java -Xmx128M -Xms16M playerDemo
```

```
average is:60.0
```

```
average is:50.0
```

```
average score of player1 is more
```



Execute

>

Share

Source File

STDIN

3

UNFINISHED

PRIYANKA

SORTS

54

2020

500

350

400

I

Result

```
$javac BOOK.java
$java -Xmx128M -Xms16M BOOK
ENTER LIMIT OF BOOKS:
ACCEPTING BOOK DETAILS
BOOK 1
ENTER BOOK TITLE:
ENTER BOOK AUTHOR:
ENTER BOOK PUBLISHER:
ENTER BOOK ID:
ENTER PUBLISHING YEAR:
ENTER TOTAL NO. OF PAGES:
ENTER BOOK PRICE:BOOK 2
ENTER BOOK TITLE:
ENTER BOOK AUTHOR:Exception in thread "main" java.util.NoSuchElementException
    at java.util.Scanner.throwFor(Scanner.java:862)
    at java.util.Scanner.next(Scanner.java:1371)
    at BOOK.main(BOOK.java:26)
```

Scanned with CamScanner

File Edit Format View Help

```
import java.util.*;
public class BOOK
{
    public static void main(String args[])
    {
        int n,i,ctr,max_price,least_page;
        ctr=0;
        String max_name;
        Scanner sc=new Scanner(System.in);
        System.out.println("ENTER LIMIT OF BOOKS:");
        n=sc.nextInt();
        int id[]=new int[n];
        String title[]=new String[n];
        int page[]=new int[n];
        int year[]=new int[n];
        String author[]=new String[n];
        String publ[]=new String[n];
        int price[]=new int[n];
        System.out.println("ACCEPTING BOOK DETAILS");
        for(i=0;i<n;i++)
        {
            System.out.println("BOOK "+(i+1));
            System.out.print("ENTER BOOK TITLE:");
            title[i]=sc.next();
            System.out.print("\nENTER BOOK AUTHOR:");
            author[i]=sc.next();
            System.out.print("\nENTER BOOK PUBLISHER:");
            publ[i]=sc.next();
            System.out.print("\nENTER BOOK ID:");
            id[i]=sc.nextInt();
            System.out.print("\nENTER PUBLISHING YEAR:");
            year[i]=sc.nextInt();
            System.out.print("\nENTER TOTAL NO. OF PAGES:");
            page[i]=sc.nextInt();
            System.out.print("\nENTER BOOK PRICE:");
            price[i]=sc.nextInt();
        }
    }
}
```



```
price[i]=sc.nextInt();
}
System.out.println("DISPLAYING BOOK DETAILS");
for(i=0;i<n;i++)
{
System.out.println("BOOK "+(i+1));
System.out.print("BOOK TITLE:"+title[i]);
System.out.print("\nBOOK AUTHOR:"+author[i]);
System.out.print("\nBOOK PUBLISHER:"+publ[i]);
System.out.print("\nBOOK ID:"+id[i]);
System.out.print("\nPUBLISHING YEAR:"+year[i]);
System.out.print("\nTOTAL NO. OF PAGES:"+page[i]);
System.out.print("\nBOOK PRICE:"+price[i]);
}
max_price=price[0];
max_name=title[0];
least_page=page[0];
for(i=0;i<n;i++)
{
if(year[i]==2020)
ctr++;
if(price[i]>=max_price)
{
max_price=price[i];
max_name=title[i];
}
if(page[i]<=least_page)
{
least_page=page[i];
max_name=title[i];
}
}
System.out.print("\nCOUNT OF BOOKS PUBLISHED IN 2020:"+ctr);
System.out.print("\nMAXIMUM BOOK PRICE & CORRESPONDING BOOK TITLE "+max_price+" "+max_name);
System.out.print("\nBOOK WITH LEAST NO. OF PAGES & CORRESPONDING BOOK TITLE "+least_page+" "+max_name);
}
```