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 NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » Programming in Java (course)

Announcements (announcements)

 About the Course (https://swayam.gov.in/nd1_noc20_cs08/preview) Ask a Question (forum)

Progress (student/home) Mentor (student/mentor)

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Java Week 1:Q5

Due on 2020-02-13, 23:59 IST

Complete the code segment to find the highest mark and average mark secured by Hari in 's' number of subjects.

 Course
outline

 How does an
NPTEL online
course work?

Week 0 :

Week 1 :

- Lecture 01 :
Introduction
(unit?
unit=2&lesson=15)
- Lecture 02 :
Java
Programming
Steps (unit?
unit=2&lesson=16)
- Lecture 03 :
Java Tools and
Resources

 Private Test cases used for
evaluation

Test Case 1

Input

```
3
20 50
20
```

 Expected
Output

```
50\n
30.0
```

 Actual
Output

```
50\n
30.0\n
```

Status

```
Pass
ed
```

 Due Date Exceeded.
1 out of 1 tests passed.
You scored 100.0/100.

Your last recorded submission was :

```
1 import java.util.Scanner;
2 public class Exercise1_5{
3     public static void main(String[] args) {
4         Scanner input = new Scanner(System.in);
5         double mark_avg;
6         int result;
7         int i;
8         int s;
9         //define size of array
10        s = input.nextInt();
11        //The array is defined "arr" and inserted marks into it of integer type
12        int[] arr = new int[s];
13
14        for(i=0;i<arr.length;i++)
15        {
16            arr[i]=input.nextInt();
17        }
18
19        int max=arr[0];
```

(unit?
unit=2&lesson=17)

● Lecture 04 :
Demonstration-
I (unit?
unit=2&lesson=18)

● Lecture 05 :
Java Applet
Programming
(unit?
unit=2&lesson=19)

● Quiz :
Assignment 1
(assessment?
name=93)

● Java Week
1:Q1
(/noc20_cs08/progassign
name=101)

● Java Week
1:Q2
(/noc20_cs08/progassign
name=102)

● Java Week
1:Q3
(/noc20_cs08/progassign
name=103)

● Java Week
1:Q4
(/noc20_cs08/progassign
name=105)

● Java Week
1:Q5
(/noc20_cs08/progassign
name=106)

● Feedback For
Week 1 (unit?
unit=2&lesson=112)

Week 2 :

Week 3 :

Week 4 :

Week 5 :

**DOWNLOAD
VIDEOS**

```

20 for(int k=0;k<s;k++){
21     if(arr[k]>max){
22         max=arr[k];
23     }
24 }
25 int sum=0;
26 for(int j=0;j<s;j++){
27     sum+=arr[j];
28 }
29 mark_avg=(double) sum/s;
30 System.out.println(max);
31 System.out.println(mark_avg);
32
33
34 //Initialize maximum element as first element of the array.
35 //Traverse array elements to get the current max.
36 //Store the highest mark in the variable result.
37 //Store average mark in avgMarks.
38 }
39 }

```

Sample solutions (Provided by instructor)

Select the Language . Java ▼

```

1 import java.util.Scanner;
2 public class Exercise1_5{
3     public static void main(String[] args) {
4         Scanner input = new Scanner(System.in);
5         double mark_avg;
6         int result;
7         int i;
8         int s;
9         //define size of array
10        s = input.nextInt();
11        //The array is defined "arr" and inserted marks into it of integer type
12        int[] arr = new int[s];
13
14        for(i=0;i<arr.length;i++)
15        {
16            arr[i]=input.nextInt();
17        }
18        //initialise maximum element as first element of array.
19        int max=arr[0];
20        double sum=arr[0];
21        //traverse array elements to get the current max
22        for(i=1;i<arr.length;i++)
23        {
24            sum=sum+arr[i];
25            if(arr[i]>max)
26                max =arr[i];
27        }
28
29        //Store the highest mark in the variable max
30        //Store average mark in avgMarks
31        result=max;
32        mark_avg=sum/(arr.length);
33        //Evaluation code
34        System.out.println(result);
35        System.out.println(mark_avg);
36    }
37 }

```

**Assignment
Solution**