

Java Week 1:Q5

Due on 2020-10-01, 23:59 IST

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

Private Test cases used for evaluation

Test Case 1

Input	Expected Output	Actual Output	Status
3 20 50 20	50\n30.0	50\n30.0	Passed

The due date for submitting this assignment has passed.

1 out of 1 tests passed.

You scored 100.0/100.

Assignment submitted on 2020-10-01, 11:04 IST

Your last recorded submission was :

```
1 import java.util.Scanner;
2 public class Exercisel_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        double sum = arr[0];
19
20
21        int max = arr[0];
22        for (i=1;i<arr.length;i++)
23        {
24            sum += arr[i];
25            if (max<arr[i])
26                max = arr[i];
27        }
28        System.out.println(max);
29
30        mark_avg = sum/(arr.length);
31
32        System.out.printf("%.1f", mark_avg);
33
34
35    }
36 }
```

Sample solutions (Provided by instructor)

```
1 import java.util.Scanner;
2 public class Exercisel_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 }
```

Course outline

How does an NPTEL online course work?

Week 0 : Assignment 0

Week 1 :

- Lecture 01 : Introduction
- Lecture 02 : Java Programming Steps
- Lecture 03 : Java Tools and Resources
- Lecture 04 : Demonstration-I
- Lecture 05 : Java Applet Programming
- Quiz: Assignment 1
- Java Week 1:Q1
- Java Week 1:Q2
- Java Week 1:Q3
- Java Week 1:Q4
- Java Week 1:Q5
- Feedback For Week 1

Week 2 :

Week 3 :

Week 4 :

Week 5 :

Week 6 :

Week 7 :

Week 8 :

Week 9 :

Week 10 :

Week 11 :

Week 12 :

Solution

DOWNLOAD VIDEOS

Text Transcripts

Programming Test - (April 11 - 10AM - 12 PM)

Programming Test - (April 11 - 8PM - 10 PM)