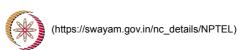X

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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)

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

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.**

Private Test cases used for evaluation	Input	Expected Output	Actual Output	Status
Test Case 1	3 20 50 20	50\n 30.0	50\n 30.0\n	Passed

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];
```

```java
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 ▼

```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**