

Java SET-II : Q3

Due on 2021-04-11, 22:00 IST

An array is defined and initialized in the following program. You have to *find the average of all odd numbers present in that array and print the same.*

Note: Use double type variables.

Private Test cases used for evaluation

Test Case 1

Test Case 2

The due date for submitting this assignment has passed.

2 out of 2 tests passed.

You scored 100.0/100.

Assignment submitted on 2020- 1212, 20:30 IST

Your last recorded submission was :

```
1 import java.util.Scanner;
2 public class Question3{
3     public static void main(String[] args) {
4         Scanner input = new Scanner(System.in);
5         int s;
6         s = input.nextInt();//define size of array
7         //The array is defined "arr" and elements are of integer type.
8         int[] arr = new int[s];
9         for(int i=0;i<arr.length;i++)
10            {
11                arr[i]=input.nextInt();
12            }
13
14         //Find the average of all odd numbers present in that array and print the same.
15
16         double sum = 0.0;
17         double avg = 0.0;
18         double count = 0;
19
20         for (int i=0; i<s; i++)
21         {
22             if (arr[i] % 2 != 0)
23             {
24                 sum += arr[i];
25                 ++count;
26             }
27         }
28         if (count == 0)
29         {
30             System.out.print(avg);
31         }
32         else
33         {
34             avg = sum / count;
35             System.out.print(avg);
36         }
37     }
38 }
39 }
```

Sample solutions (Provided by instructor)

```
1 import java.util.Scanner;
2 public class Question3{
3     public static void main(String[] args) {
4         Scanner input = new Scanner(System.in);
5         int s;
6         s = input.nextInt();//define size of array
7         //The array is defined "arr" and elements are of integer type.
8         int[] arr = new int[s];
9         for(int i=0;i<arr.length;i++)
10            {
11                arr[i]=input.nextInt();
12            }
13
14         double count=0;
15         double sum=0;
16         double avg;
17         for(int i=0;i<arr.length;i++)
18         {
19             if(arr[i]%2!=0)
20             {
21                 sum=sum+arr[i];
22                 count=count+1;
23             }
24         }
25         if(count!=0)
26             avg=sum/count;
27         else
28             avg=0;
29         System.out.print(avg);
30     }
31 }
32 }
33 }
```

Course outline

How does an NPTEL online course work?

Week 0 : Assignment 0

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 - 12PM)

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

• Java SET-II : Q1

• Java SET-II : Q2

• Java SET-II : Q3

• Java SET-II : Q4

• Java SET-II : Q5