Java SET-II : Q3

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	Input	Expected Output	Actual Output	Status
Test Case 1	4 2 2 2 2	0.0	0.0	Passed
Test Case 2	2 2 3	3.0	3.0	Passed

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 :

```java
import java.util.Scanner;
public class Question3{
    public static void main(String[] args) {
      Scanner input = new Scanner(System.in);
        int s;
        s = input.nextInt();//define size of array
      //The array is defined "arr" and elements are of  integer type.
        int[] arr = new int[s];
        for(int i=0;i<arr.length;i++)
        {
        arr[i]=input.nextInt();
        }

//Find the average of all odd numbers present in that array and print the same.

double sum = 0.0;
double avg = 0.0;
double count = 0;

for (int i=0; i<s; i++)
{
  if (arr[i] % 2 != 0)
  {
    sum += arr[i];
    ++count;
  }
}
if (count == 0)
{
  System.out.print(avg);
}
else
{
  avg = sum / count;
    System.out.print(avg);
}

}
}
```

Sample solutions (Provided by instructor)

```java
import java.util.Scanner;
public class Question3{
    public static void main(String[] args) {
      Scanner input = new Scanner(System.in);
        int s;
        s = input.nextInt();//define size of array
      //The array is defined "arr" and elements are of  integer type.
        int[] arr = new int[s];
        for(int i=0;i<arr.length;i++)
        {
        arr[i]=input.nextInt();
        }

double count=0;
    double sum=0;
    double avg;
    for(int i=0;i<arr.length;i++)
        {
        if(arr[i]%2!=0)
        {
            sum=sum+arr[i];
            count=count+1;
        }
        }
    if(count!=0)
      avg=sum/count;
    else
        avg=0;
    System.out.print(avg);

  }
}
```