JavaScript Weekly Assessment 1

1 . Get a whole number or a decimal number as input. The task is to find the **number of decimal places** of the given number.

Test Cases:

i. **input** : 348.97

output : 2

explanantion : there are 2 numbers after decimal point

ii. **input** : 140

output : 0

explanantion : There is no decimal point

iii. **input** : 87.4529

output : 4

explanantion : there are 4 numbers after decimal point

2 . Get an number array as input. Only one number in the array will gets repeated certain times. The task is to find the number and its repeat count.

Test Cases:

i. **input** : [2,5,1,4,2,10,2,9]

output : number = 2, count = 3

ii. **input** : [10, 17, 31, 99, 31, 44, 31, 90, 198, 31]

output : number = 31, count = 4

iii. **input** : [3,1,8,4,7]

output : No repeated numbers

3 **.** Get an array as input. The array will contain **positive** and **negative** numbers. The task is to find the **total count** of **positive even** numbers and **negative odd** numbers.

Test Cases:

i. **input** : [-2, 6, 7, 4, -1]

output : 3

ii. **input** : [-22, 8, -3 , 4, -1, -4]

output : 4

4 . A farm consists of 3 breeds such as **hens** , **cows** and **rabbits**. The farmer wants to count the **total number legs** of all the breeds.

- hen has **2 legs**
- cow has **4 legs**
- rabbit has **4 legs**

The task is to write a function which gets number of hens, cows and rabbits in the farm as **parameters**. (eg: **calculateLegs(hens,cows,rabbits)**). The function should return the total number of legs of all the breeds.

Test Cases:

i. **input** : calculateLegs(3, 4, 10)
output : totalLegs = 62
explanation : there are 3 hens, 4 cows and 10 rabbits

ii. **input** : calculateLegs(7, 3, 4)
output : totalLegs = 42
explanation : there are 7 hens, 3 cows and 4 rabbits