

W2D2 Quiz

CS472 WAP October 2016 – Prof. Zijlstra

1. Write a JavaScript function that takes an array of numbers and returns how many of those numbers are a multiple of 3.

```
function multipleOf3(arr) {  
    return arr.filter(function(x) { return x % 3 == 0 }).length;  
}
```

2. Write the same function as 1, but instead of receiving an array of arguments, write it so that the user can give a variable amount of arguments to the function.

```
function multOf3(...nums) {  
    let s = 0;  
    for (let i = 0; i < nums.length; i++) {  
        if (nums[i] % 3 == 0) {  
            s += 1;  
        }  
    }  
    return s;  
}
```

3. What is the output of the following code:

```
function x(a) {  
    var a; y();  
    function y() {  
        console.log(a);  
    }  
    var a = 10;  
    console.log(a);  
}  
var a = 50;  
x();  
console.log(a);
```

// undefined

// 10

// 50