

# Front end development

## Arrays and Functions - Star Sum

The following exercise contains the following subjects:

- Javascript

### Question

Write a function that will receive an array of numbers and will return the sum of all the numbers in the array.  
 So that if you call this function with this array for example:[1,2,3,4,5]  
 it will return 15.

### Ninja

Do the same with an array of arrays of numbers. Write a function that will sum up all the numbers in all the arrays.  
 Ex : arr= [[1,2,3,4,5], [2,2,2,2,2], [1,1,1,1,1],[2]]  
 Your code should return : 32

### Tests

Make sure the following tests pass:

```
function test_equal(actual, expected, msg) {
  if (Array.isArray(expected)) {
    for (var i = 0; i < expected.length; i++){
      test_equal(actual[i], expected[i], "item in index " + i);
    }
  } else {
    if (actual !== expected) {
      console.log(`Error testing ${msg} || '. expected: ${expected}, got ${actual}`);
    }
  }
}
```

```
test_equal(getSum([]), 0);
test_equal(getSum([44]), 44);
test_equal(getSum([1, 4, 4, 4]), 13);
```

```
test_equal(getSumNinja([]), 0);
test_equal(getSumNinja([[1],[4,4],[4]]), 13);
test_equal(getSumNinja([], [4,4,4], [1]), 13);
```