Day 5: Arrow Functions ★

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10 Days of JS ★★★

Problem Submissions Leaderboard Editorial Topics

Objective

In this challenge, we practice using arrow functions. Check the attached tutorial for more details.

Task

Complete the function in the editor. It has one parameter: an array, $nums$. It must iterate through the array performing one of the following actions on each element:

- If the element is even, multiply the element by 2.
- If the element is odd, multiply the element by 3.

The function must then return the modified array.

Input Format

The first line contains an integer, n, denoting the size of $nums$.

The second line contains n space-separated integers describing the respective elements of $nums$.

Constraints

- $1 \leq n \leq 10$
- $1 \leq nums_i \leq 100$, where $nums_i$ is the i^{th} element of $nums$.

Output Format

Return the modified array where every even element is doubled and every odd element is tripled.

Sample Input 0

```
5
1 2 3 4 5
```

Sample Output 0

```
3 4 9 8 15
```

Explanation 0

Given $nums = [1, 2, 3, 4, 5]$, we modify each element so that all even elements are multiplied by 2 and all odd elements are multipled by 3. In other words, $[1, 2, 3, 4, 5] \Rightarrow [1 \cdot 3, 2 \cdot 2, 3 \cdot 3, 4 \cdot 2, 5 \cdot 3] \Rightarrow [3, 4, 9, 8, 15]$. We then return the modified array as our answer.

Change Theme Language: JavaScript (Node.js)

```
'use strict';…

/*
 * Modify and return the array so that all even elements are doubled and all odd elements are tripled.
 *
 * Parameter(s):
 * nums: An array of numbers.
 */
```

```
function modifyArray(nums) {

    return nums.map(i=> i&1 ? i*3 : i*2 )
}


function main() {
    const n = +(readLine());
    const a = readLine().split(' ').map(Number);

    console.log(modifyArray(a).toString().split(',').join(' '));
}
```

Line: 36 Col: 1

Upload Code as File | Test against custom input | Run Code | Submit Code

Congratulations!

You have passed the sample test cases. Click the submit button to run your code against all the test cases.

Sample Test case 0

Input (stdin) Download

```
5
1 2 3 4 5
```

Your Output (stdout)

```
3 4 9 8 15
```

Expected Output Download

```
3 4 9 8 15
```