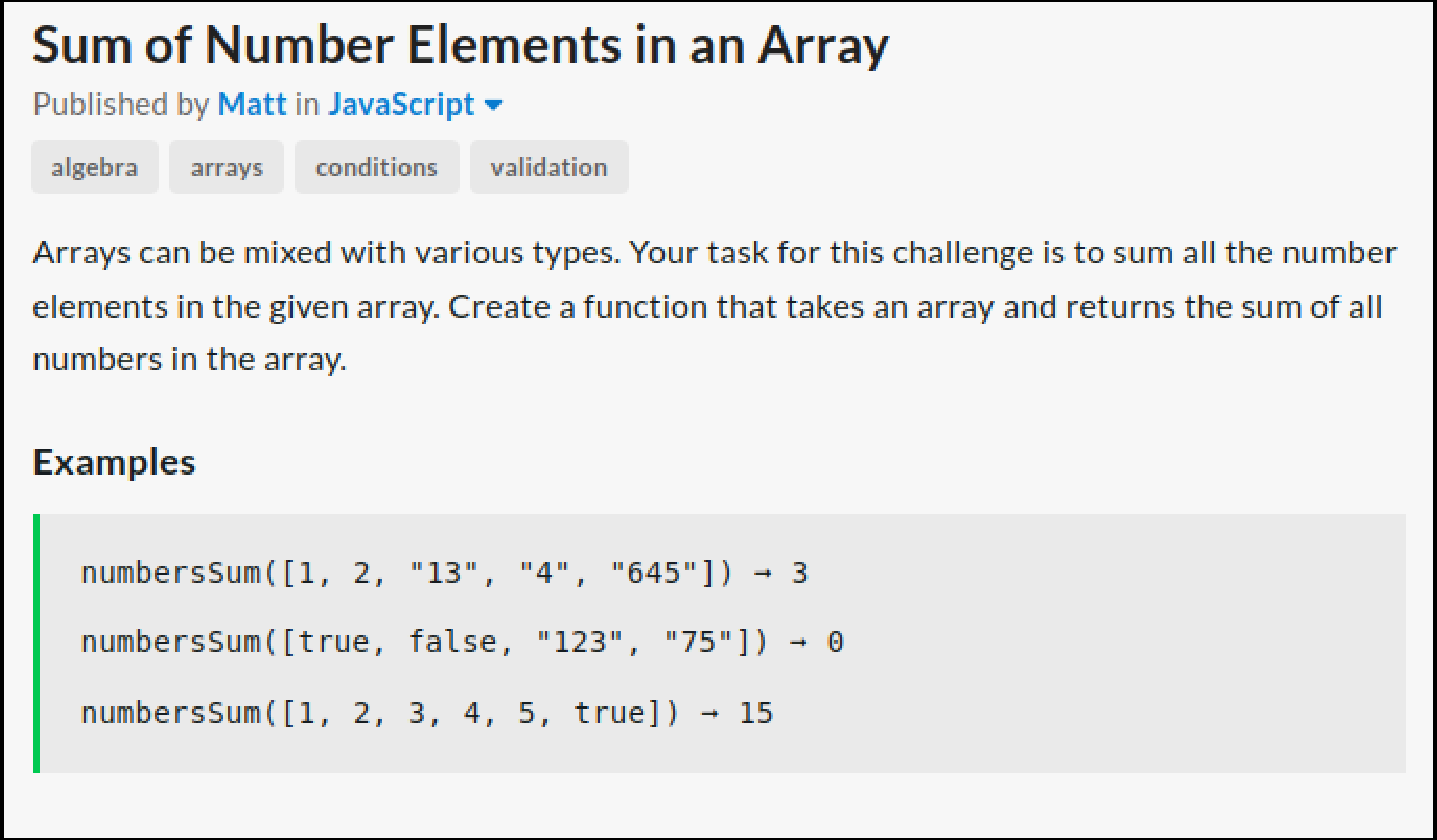
JS Practice Problems - 1

1.



Sum of Number Elements in an Array

Published by Matt in JavaScript ▾

Arrays can be mixed with various types. Your task for this challenge is to sum all the number elements in the given array. Create a function that takes an array and returns the sum of all numbers in the array.

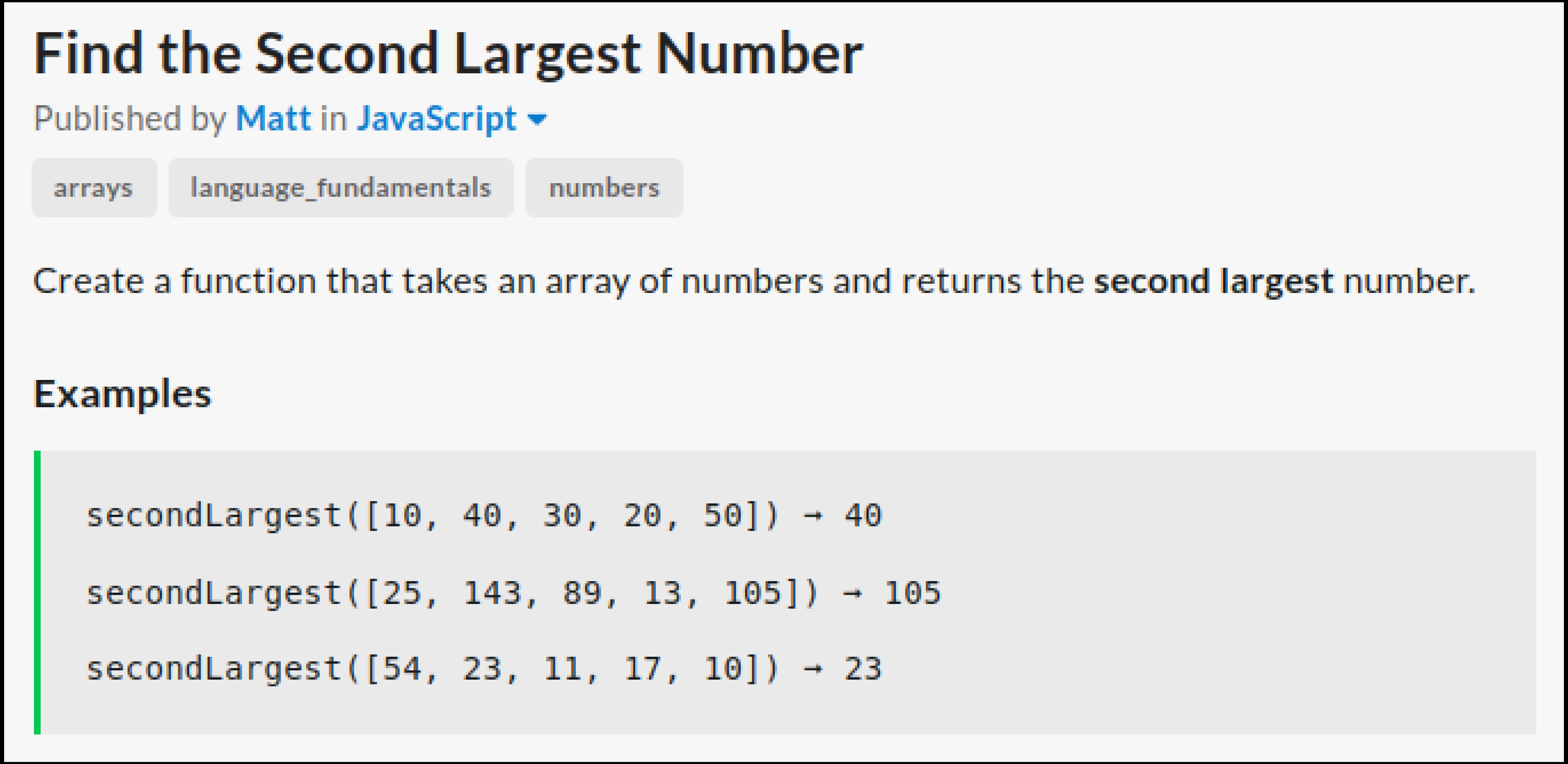
Examples

```
numbersSum([1, 2, "13", "4", "645"]) → 3

numbersSum([true, false, "123", "75"]) → 0

numbersSum([1, 2, 3, 4, 5, true]) → 15
```

2.



Find the Second Largest Number

Published by Matt in JavaScript

Create a function that takes an array of numbers and returns the **second largest** number.

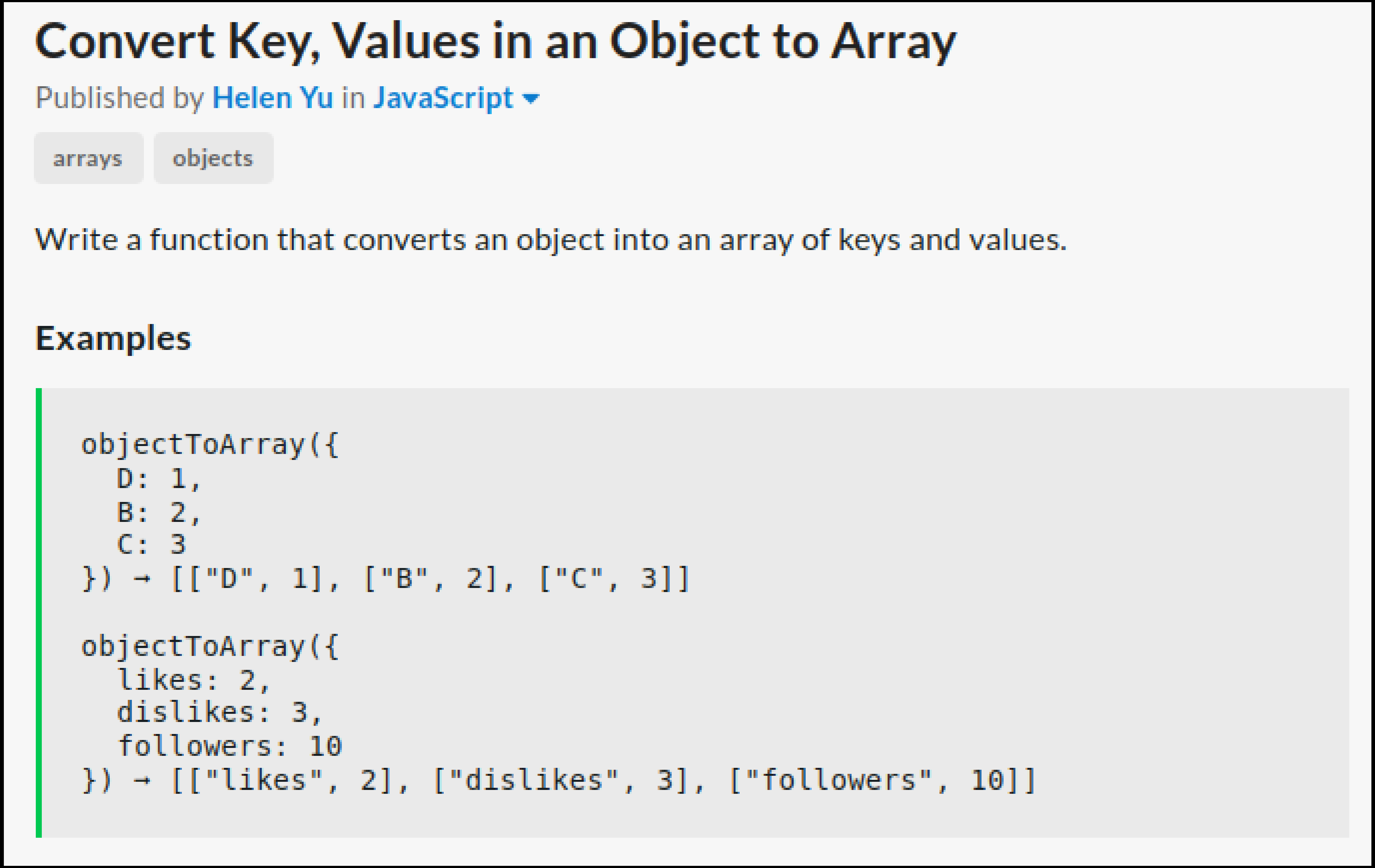
Examples

```
secondLargest([10, 40, 30, 20, 50]) → 40

secondLargest([25, 143, 89, 13, 105]) → 105

secondLargest([54, 23, 11, 17, 10]) → 23
```

3.



Convert Key, Values in an Object to Array

Published by Helen Yu in JavaScript ▾

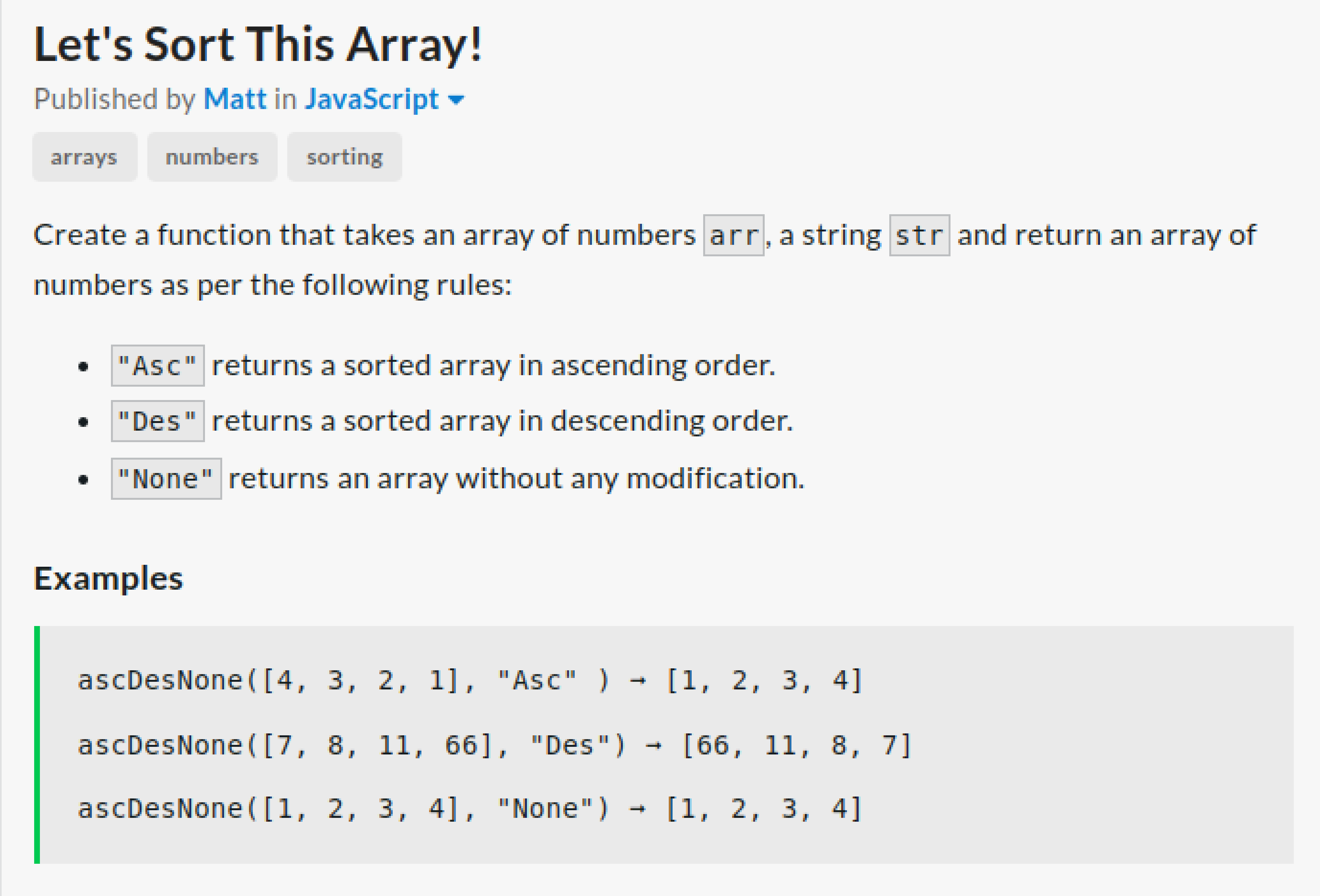
Write a function that converts an object into an array of keys and values.

Examples

```
objectToArray({
  D: 1,
  B: 2,
  C: 3
}) → [["D", 1], ["B", 2], ["C", 3]]

objectToArray({
  likes: 2,
  dislikes: 3,
  followers: 10
}) → [["likes", 2], ["dislikes", 3], ["followers", 10]]
```

4.



Let's Sort This Array!

Published by Matt in JavaScript ▾

Create a function that takes an array of numbers `arr`, a string `str` and return an array of numbers as per the following rules:

- `"Asc"` returns a sorted array in ascending order.
- `"Des"` returns a sorted array in descending order.
- `"None"` returns an array without any modification.

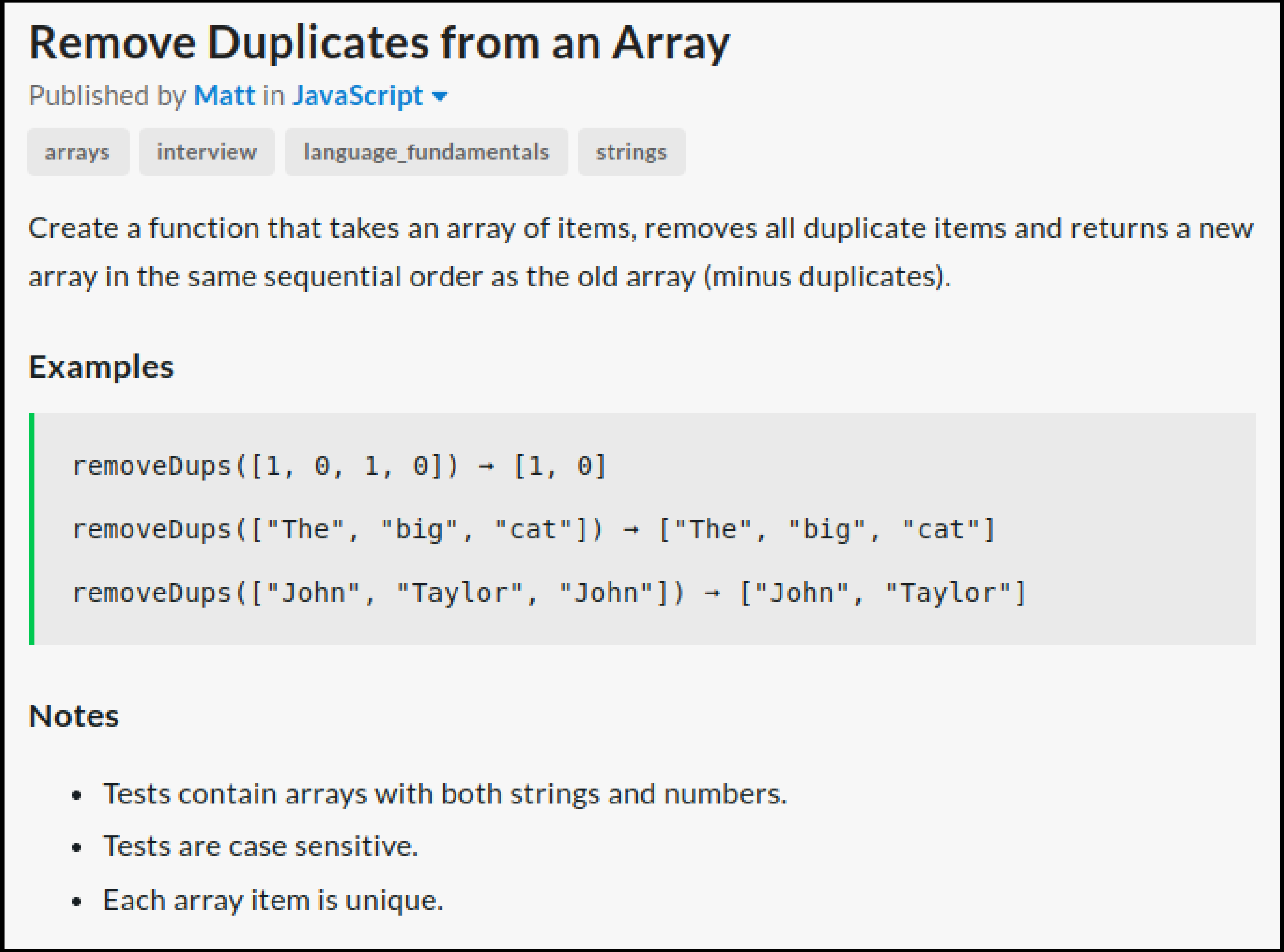
Examples

```
ascDesNone([4, 3, 2, 1], "Asc" ) → [1, 2, 3, 4]

ascDesNone([7, 8, 11, 66], "Des") → [66, 11, 8, 7]

ascDesNone([1, 2, 3, 4], "None") → [1, 2, 3, 4]
```

5.



Remove Duplicates from an Array

Published by Matt in JavaScript

Create a function that takes an array of items, removes all duplicate items and returns a new array in the same sequential order as the old array (minus duplicates).

Examples

```
removeDups([1, 0, 1, 0]) → [1, 0]

removeDups(["The", "big", "cat"]) → ["The", "big", "cat"]

removeDups(["John", "Taylor", "John"]) → ["John", "Taylor"]
```

Notes

- Tests contain arrays with both strings and numbers.
- Tests are case sensitive.
- Each array item is unique.