

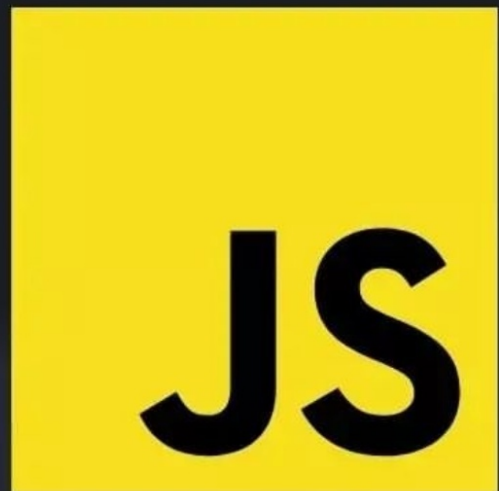
Array Methods

30+ Methods



Part 02

12 Methods



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JS Array Methods

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- | | |
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| 1. toString() | 18. entries() |
| 2. join() | 19. every() |
| 3. push() | 20. some() |
| 4. pop() | 21. fill() |
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| 12. isArray() | 29. flat() |
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13. indexOf(item, start)

Returns the **first index of a specified value**,
-1 if the value is not found | left to right

Does overwrites original ? No ❌

```
let array = ["a", "b", "c", "d", "e"];  
log(array.indexOf("c", 0)); // 2 (index)  
log(array.indexOf("b", 3)); // -1
```

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14. lastIndexOf(item, start)

Returns the **last index of a specified value**,
-1 if the value is not found | right to left

Does overwrites original ? No ❌

```
let array = ["a", "b", "c", "d", "e"];  
log(array.lastIndexOf("d", 5)); // 3 (index)  
log(array.lastIndexOf("c", 0)); // -1
```

15. find(callbackFn, thisArg) ^{Optional}

Returns **first element in the array**, if the provided func test passed, else **undefined**.

Does overwrites original ? No ❌

```
array = [44, 55, "a", "b", 66, 77];  
log(array.find((e) => e > 60)); // 66  
// Returns only first element
```

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16. findIndexOf(cbFn, thisArg) ^{Optional}

Returns **index of first element** that passes test, **-1** if no match is found.

Does overwrites original ? No ❌

```
array = [44, 55, "a", "b", 66, 77];  
log(array.findIndex((e) => e > 60)); // 4  
// First Element is 66 test pass & index ↗
```


17. every(callbackFn, thisArg) ^{Optional}

Tests whether all elements in the array pass the test, Returns Boolean **True/False**

Does overwrites original ? No ❌

```
let array = [44, 55, 66, 77];  
log(array.every((e) => e > 10)); // True  
// All Elements are greater than 10
```

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18. some(cbFn, thisArg) ^{Optional}

Tests whether at least one element in the array passes the test, Returns **True/False**

Does overwrites original ? No ❌

```
array = [44, 55, 66, 77];  
log(array.some((e) => e > 70)); // True  
// 77 is greater than 70
```

19. includes(element, start)

Whether an array **includes a certain value** among its entries, Returns **True/False**

Does overwrites original ? No ❌

```
let array = [1, 2, 3, "xyz"];  
log(array.includes("xyz")); // True  
log(array.includes(2)); // True
```

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20. entries()


Returns an Array Iterator object with key/value pairs, (Using for of loop)

Does overwrites original ? No ❌

```
array = ["a", "b", "c"];  
let entrs = array.entries();  
for (let index of entrs) {log(index + " \n");}  
// 0, "a" //1, "b" //2, "c"
```

21. fill(value, start, end)


Fills specified elements in an array with a value, If !specified, all elements will be filled

Does overwrites original ? Yes 

```
let array = [1, 2, 3, 4, 5];  
log(array.fill(100, 2, 4)); // [1,2,100,100,5];  
// filled from index 2 to index 3
```

22. copyWithin(target, S, E)

Copies array elements to another position in the array, doesn't add items to the array

Does overwrites original ? Yes 

```
let array = [1, 2, 3, 4, 5];  
log(array.copyWithin(2, 3, 5));  
// [1, 2, 4, 5, 5]
```

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23. length Property

The length property **returns the length** (size) of an array,

Does overwrites original ? No ❌

```
let array = [1, 2, 3, 4, 5];  
log(array.length); // 5 (Length)  
// Can be used on both arrays & strings
```

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24. delete Operator

Deletes array elements & **leaves undefined holes in array**, Use pop() or shift() instead

Does overwrites original ? Yes ✅

```
// delete object[index]; // Syntax  
let array = [1, 2, 3, 4, 5];  
log(delete array[2]); // True  
log(array); //[1, 2, undefined, 4, 5]  
//it can be used on both arrays and strings
```