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JS Array methods

to **know** if an array includes particular **element**

- includes()
- some()
- every()

to just **loop** an array

- forEach()





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Check if an array includes a specified element by value

JS .includes()

The includes() method **determines** whether an array contains a **specified element**.

```
const cars = ["Tesla", "BMW", "Audi"];  
const result_1 = cars.includes("BMW");  
const result_2 = cars.includes("Mercedes");  
console.log(result_1); // OUTPUT: true  
console.log(result_2); // OUTPUT: false
```



Check if an array includes by testing a condition

JS .some()

The `some()` method checks if **any** of the elements in an array **pass a test**

JS .every()

The `every()` method checks if **all** elements in an array **pass a test**



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Check if an array includes by testing a condition

```
const numbers = [23, -33, 9, -3, 7];  
const checkPositive = numbers.some((number) => number > 0);  
console.log(checkPositive); // OUTPUT: true  
const checkEven = numbers.some((number) => number % 2 === 0);  
console.log(checkEven); // OUTPUT: false
```

```
const numbers = [23, -33, 9, -3, 7];  
const allPositive = numbers.every((number) => number > 0);  
console.log(allPositive); // OUTPUT: false  
const allOdd = numbers.every((number) => number % 2 !== 0);  
console.log(allOdd); // OUTPUT: true
```



Just Loop an array

JS .forEach()

The `forEach()` method calls a function once for each element in an array, **in order**.

It does **not** create a new array. **just loops** over it.

It takes 3 Argument:

1. **currentValue** (value of the current element)
2. **index** (array index of the current element)
3. **array** (array object to which the current element belongs)



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Just Loop an array

```
const numbers = [23, -33, 9, -3, 7];
numbers.forEach((currentValue, index, arr) => {
  console.log(currentValue);
  // OUTPUT: 23 -33 9 -3 7
});
numbers.forEach((currentValue, index, arr) => {
  console.log(index);
  // OUTPUT: 0 1 2 3 4
});
numbers.forEach((currentValue, index, arr) => {
  console.log(arr);
  // OUTPUT: [ 23, -33, 9, -3, 7 ]
  // [ 23, -33, 9, -3, 7 ]
  // [ 23, -33, 9, -3, 7 ]
  // [ 23, -33, 9, -3, 7 ]
  // [ 23, -33, 9, -3, 7 ]
});
```



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Keep Learning,
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