

# JavaScript Array methods

## 1- constructor

returns the function that created the Array prototype

```
var fruits = ["Banana", "Orange", "Apple", "Mango"];
var text = fruits.constructor;
console.log(text);
```

## 2- copyWithin()

copies array elements to another position in an array.

```
var fruits = ["Banana", "Orange", "Apple", "Mango"];
console.log(fruits.copyWithin(2, 1));
```

## 3- entries()

returns an Array Iterator object with key and value pairs.

```
fruits = ["Banana", "Orange", "Apple", "Mango"];
const f = fruits.entries();
for (let x of f) {
    x++;
} console.log(f)
```

## 4- every()

returns true if all elements in an array pass.

```
var ages = [32, 33, 16, 40];
console.log(ages.every(checkAge));
function checkAge(age) {
    return age > 24;
}
//return false
```

## 5- sort()

sorts the elements of an array

```
var fruits = ["Banana", "Orange", "Apple", "Mango"];  
console.log(fruits.sort());
```

## 6- some()

checks if any (not all) of the elements in an array pass a test.

```
var ages = [3, 10, 18, 25];  
console.log(ages.some(checkAdult));  
function checkAdult(age) {  
    return age > 24;  
}  
//return true
```

## 7- reverse()

reverses the elements of the array

```
var fruits = ["Banana", "Orange", "Apple", "Mango"];  
console.log(fruits.reverse());
```

## 8- reduceRight()

Subtract the numbers in the array, starting from the right element:

```
var numbers = [175, 50, 25];  
console.log(numbers.reduceRight(myFunc));  
function myFunc(total, num) {  
    return total - num;  
}  
//return -200
```

## 9- isArray()

returns true if an object is an array, otherwise false:

```
var fruits = ["Banana", "Orange", "Apple", "Mango"];  
var result = Array.isArray(fruits);  
console.log(result);  
//true
```

## 10- Array.from()

returns an array from any iterable object and Create an array from a string.

```
let text = "ABCDEFGH"  
const myArr = Array.from(text);  
console.log ( myArr);  
//return ['A', 'B', 'C', 'D', 'E', 'F', 'G', 'H']
```