

# JavaScript Sorting Arrays

- description : JavaScript Sorting Arrays
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[JavaScript Sorting Arrays](#)

## Sorting an Array

sort()

```
let fruits = ["Banana", "Orange", "Apple", "Mango"];
document.getElementById("demo").innerHTML = fruits; //
Banana, Orange, Apple, Mango

function myFunction() {
  fruits.sort();
  document.getElementById("demo").innerHTML = fruits; //
Apple, Banana, Mango, Orange
}
```

## Reversing an Array

reverse()

```
// Create and display an array:
let fruits = ["Banana", "Orange", "Apple", "Mango"];
document.getElementById("demo1").innerHTML = fruits; //
Banana, Orange, Apple, Mango

function myFunction() {
```

```
fruits.sort(); // First sort the elements of fruits
document.getElementById("demo2").innerHTML = fruits; //
Apple,Banana,Mango,Orange
fruits.reverse(); // Them reverse the order of the elements
document.getElementById("demo3").innerHTML = fruits; //
Orange,Mango,Banana,Apple
}
```

## Numeric Sort

, sort()

("Apple" "Banana" ).

" 2 " 가 " 1 "

" 25 " 가 " 100 "

sort()

**(compare function)**

```
let points = [40, 100, 1, 5, 25, 10];
document.getElementById("demo").innerHTML = points; // 40,100,1,5,25,10

function myFunction() {
  points.sort(function (a, b) { return a - b });
  document.getElementById("demo").innerHTML = points; // 1,5,10,25,40,100
}
```

:

```
let points = [40, 100, 1, 5, 25, 10];
document.getElementById("demo").innerHTML = points; // 40,100,1,5,25,10

function myFunction() {
  points.sort(function (a, b) { return b - a });
  document.getElementById("demo").innerHTML = points; // 100,40,25,10,5,1
}
```

# The Compare Function

```
function (a, b) {return a-b}
```

sort() ( , 0, )

가 , a가 b

가 , b가 a

가 0 , 가

(a, b)

40 100 , sort() compare function (40, 100)  
40-100 (a-b) , 가 (-60) 40 100

```
let points = [40, 100, 1, 5, 25, 10];
document.getElementById("demo").innerHTML = points; // 40,100,1,5,25,10

function myFunction1() {
  points.sort();
  document.getElementById("demo").innerHTML = points; // 1,10,100,25,40,5
}

function myFunction2() {
  points.sort(function (a, b) { return a - b });
  document.getElementById("demo").innerHTML = points; // 1,5,10,25,40,100
}
```

, Javascript, Sorting, Arrays, box-sizing

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