

JavaScript Array Methods

- description : JavaScript Array Methods
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JavaScript Array Methods

```
JavaScript      toString()
```

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

```
join()
```

```
join()      toString()      가      (separator)
```

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

Popping and Pushing

, 가 .
popping pushing .
(popping), (pushing).

Popping

pop()

```
let fruits = ["Banana", "Orange", "Apple", "Mango"];
```

```
document.getElementById("demo1").innerHTML = fruits; //
Banana, Orange, Apple, Mango
fruits.pop(); // remove Mango
document.getElementById("demo2").innerHTML = fruits; // Banana, Orange, Apple
```

pop() (popped out) .

```
let fruits = ["Banana", "Orange", "Apple", "Mango"];
document.getElementById("demo1").innerHTML = fruits; //
Banana, Orange, Apple, Mango
document.getElementById("demo2").innerHTML = fruits.pop(); // Mango
document.getElementById("demo3").innerHTML = fruits; //
Banana, Orange, Apple
```

Pushing

push() 가 .

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

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

push() :

```
let fruits = ["Banana", "Orange", "Apple", "Mango"];
document.getElementById("demo1").innerHTML = fruits; //
Banana, Orange, Apple, Mango

function myFunction() {
  document.getElementById("demo2").innerHTML = fruits.push("Kiwi"); // 5
  document.getElementById("demo1").innerHTML = fruits; //
Banana, Orange, Apple, Mango, Kiwi
}
```

Shifting Elements

Shifting popping , .

shift() , () “

```
let fruits = ["Banana", "Orange", "Apple", "Mango"];
document.getElementById("demo1").innerHTML = fruits; //
Banana, Orange, Apple, Mango
fruits.shift(); // remove first element "Banana" from fruits
document.getElementById("demo2").innerHTML = fruits; // Orange, Apple, Mango
```

shift() 가 :

```
let fruits = ["Banana", "Orange", "Apple", "Mango"];
document.getElementById("demo1").innerHTML = fruits; //
Banana, Orange, Apple, Mango
document.getElementById("demo2").innerHTML = fruits.shift(); // Banana
document.getElementById("demo3").innerHTML = fruits; //
Orange, Apple, Mango
```

unshift() 가 ,
("unshifts" older elements):

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

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

unshift() .

```
let fruits = ["Banana", "Orange", "Apple", "Mango"];
document.getElementById("demo1").innerHTML = fruits; //
Banana, Orange, Apple, Mango
document.getElementById("demo2").innerHTML = fruits.unshift("Lemon"); // 5
document.getElementById("demo3").innerHTML = fruits; //
Lemon, Banana, Orange, Apple, Mango
```

Changing Elements

(index number) .

0 . [0] , [1] , [2] ...

```
let fruits = ["Banana", "Orange", "Apple", "Mango"];
document.getElementById("demo1").innerHTML = fruits; //
Banana,Orange,Apple,Mango
fruits[0] = "Kiwi"; // index[0] Banana "Kiwi"
document.getElementById("demo2").innerHTML = fruits; //
Kiwi,Orange,Apple,Mango
```

length 가 .

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

function myFunction() {
  fruits[fruits.length] = "Kiwi"; // fruits                      'Kiwi'
  가
  document.getElementById("demo").innerHTML = fruits; //
Banana,Orange,Apple,Mango,Kiwi
}
```

Deleting Elements

JavaScript , JavaScript delete :

```
let fruits = ["Banana", "Orange", "Apple", "Mango"];
document.getElementById("demo1").innerHTML = "The first fruit is: " +
fruits[0]; // The first fruit is: Banana
delete fruits[0]; // index[0] Banana
document.getElementById("demo2").innerHTML = "The first fruit is: " +
fruits[0]; // The first fruit is: undefined
console.log(fruits); // (4) [empty, "Orange", "Apple", "Mango"]
```

delete (holes) . pop()
shift() .

Splicing an Array

`splice()` (items) 가 .

```
let fruits = ["Banana", "Orange", "Apple", "Mango"];
document.getElementById("demo1").innerHTML = "Original Array: " + fruits;
// Original Array: Banana,Orange,Apple,Mango
function myFunction() {
  fruits.splice(2, 0, "Lemon", "Kiwi");
  document.getElementById("demo2").innerHTML = "New Array: " + fruits; //
  New Array: Banana,Orange,Lemon,Kiwi,Apple,Mango
}
```

(2) 가 가 () .

(0) .

("Lemon", "Kiwi") 가 .

`splice()` .

```
let fruits = ["Banana", "Orange", "Apple", "Mango"];
document.getElementById("demo1").innerHTML = "Original Array: " + fruits; //
Original Array: Banana,Orange,Apple,Mango

function myFunction() {
  let removed = fruits.splice(2, 2, "Lemon", "Kiwi");
  document.getElementById("demo2").innerHTML = "New Array: " + fruits; //
  New Array: Banana,Orange,Lemon,Kiwi
  document.getElementById("demo3").innerHTML = "Removed Items: " + removed;
  // Removed Items: Apple,Mango
}
```

Using splice() to Remove Elements

, splice() “ ” ,

.

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

```
function myFunction() {
  fruits.splice(0, 1);
  document.getElementById("demo").innerHTML = fruits; // Orange,Apple,Mango
}
```

(0) 가 가 () .

(1) .

. 가 가 .

Merging (Concatenating) Arrays

```
concat() ( ) .
```

Merging Two Arrays

```
'concat()'
```

```
' 'concat()' ' ' .
```

Merging Three Arrays

concat()

Merging an Array with Values

, Javascript, Array, Methods

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