

# JavaScript Array Methods

- description : JavaScript Array Methods
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## The source of this article

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  
shift()

(holes)

. pop()

, Javascript, Array, Methods

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