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# Array() constructor

The `Array()` constructor is used to create [Array](#) objects.

## Syntax

 [mdn web docs](#)

```
Array(element0, element1, /* ... */ elementN)
Array(arrayLength)
```

**Note:** `Array()` can be called with or without `new`. Both create a new `Array` instance.

## Parameters

`elementN`

A JavaScript array is initialized with the given elements, except in the case where a single argument is passed to the `Array` constructor and that argument is a number (see the `arrayLength` parameter below). Note that this special case only applies to JavaScript arrays created with the `Array` constructor, not array literals created with the bracket syntax.

`arrayLength`

If the only argument passed to the `Array` constructor is an integer between 0 and  $2^{32} - 1$  (inclusive), this returns a new JavaScript array with its `length` property set to that number (**Note:** this implies an array of `arrayLength` empty slots, not slots with actual undefined values — see [sparse arrays](#)).

## Exceptions

[RangeError](#)

Thrown if there's only one argument ( `arrayLength` ) and its value is not between 0 and  $2^{32} - 1$  (inclusive).

## Examples

### Array literal notation

Arrays can be created using the [literal](#) notation:

```
const fruits = ['Apple', 'Banana'];

console.log(fruits.length); // 2
console.log(fruits[0]);     // "Apple"
```

### Array constructor with a single parameter

Arrays can be created using a constructor with a single number parameter. An array with its `length` property set to that number and the array elements are empty slots.

```
const fruits = new Array(2);

console.log(fruits.length); // 2
console.log(fruits[0]);     // undefined
```

### Array constructor with multiple parameters

If more than one argument is passed to the constructor, a new [Array](#) with the given elements is created.

```
const fruits = new Array('Apple', 'Banana');

console.log(fruits.length); // 2
console.log(fruits[0]);     // "Apple"
```

### Specifications

Specification
<a href="#">ECMAScript Language Specification</a> <a href="#"># sec-array-constructor</a>

### Browser compatibility

[Report problems with this compatibility data on GitHub](#)

	Chrome	Edge	Firefox	Opera	Safari	Chrome Android	Firefox for Android	Opera Android	Safari on iOS
Array() constructor	Chrome 1	Edge 12	Firefox 1	Opera 4	Safari 1	Chrome 18 Android	Firefox 4 for Android	Opera 10.1 Android	Safari on iOS

Tip: you can click/tap on a cell for more information.

Full support

### See also

- [Array](#) class

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