Array.prototype.join()

The `join()` method joins all elements of an array into a string.

Syntax

```
str = arr.join([separator = ','])
```

Parameters

separator
  Optional. Specifies a string to separate each element of the array. The separator is converted to a string if necessary. If omitted, the array elements are separated with a comma. If `separator` is an empty string, all elements are joined without any characters in between them.

Description

The string conversions of all array elements are joined into one string. If an element is `undefined` or `null`, it is converted to the empty string.

Examples

Joining an array four different ways

The following example creates an array, `a`, with three elements, then joins the array four times: using the default separator, then a comma and a space, then a plus and an empty string.

```
1  var a = ['Wind', 'Rain', 'Fire'];
2  var myVar1 = a.join();      // assigns 'Wind,Rain,Fire' to myVar1
3  var myVar2 = a.join(', ');  // assigns 'Wind, Rain, Fire' to myVar2
4  var myVar3 = a.join(' + '); // assigns 'Wind + Rain + Fire' to myVar3
5  var myVar4 = a.join('');    // assigns 'WindRainFire' to myVar4
```

Specifications

Specification	Status	Comment
↗ ECMAScript 1st Edition (ECMA-262)	ST Standard	Initial definition. Implemented in JavaScript 1.1.
↗ ECMAScript 5.1 (ECMA-262) The definition of 'Array.prototype.join' in that specification.	ST Standard	
↗ ECMAScript 2015 (6th Edition, ECMA-262) The definition of 'Array.prototype.join' in that specification.	ST Standard	

Browser compatibility

Desktop   Mobile

Feature	Chrome	Firefox (Gecko)	Internet Explorer	Opera	Safari
Basic support	1.0	1.0 (1.7 or earlier)	5.5	(Yes)	(Yes)

See also

- `String.prototype.split()`
- `Array.prototype.toString()`
- `TypedArray.prototype.join()`