

Lesson

Weekend

Introduction to Programming

(/introduction-to-programming)

/ Arrays and Looping (/introduction-to-programming/arrays-and-looping)

/ Array Methods

Text

Cheat sheet

Terminology

- **Destructive** methods modify the receiver (the thing they are called on).
- **Non-destructive** methods don't modify the receiver, they create a brand new array. For non-destructive methods, you'll need to store the return value of the method in a variable.

Methods

- `Array.prototype.push()` : Push elements to the end of an array.
- `Array.prototype.concat()` : Concatenate elements to the end of an array. Similar to `Array.prototype.push()` except it doesn't modify the original array.
- `Array.prototype.unshift()` : Add an element to the beginning of an array.
- `Array.prototype.shift()` : Remove an element from the beginning of an array.

- `Array.prototype.pop()` : Remove an element from the end of an array.
- `Array.prototype.join()` : Turn an array into a string. You can pass an optional separator in as an argument. `" "` is a common separator.
- `Array.prototype.slice()` : Slice elements from the beginning and (optionally) the end of an array.

Modify Elements in an Array with Bracket Notation

```
> let array = [1,2,3];  
> array[0] = "We just modified the array at position zero."  
> array;  
["We just modified the array at position zero.",2,3]
```

Documentation on MDN

See the list of array methods in the left-hand pane of the Mozilla array documentation (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array).

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