04-4-17

Arrays in JavaScript are Dynamic

Defining array in two types:

* new array ();
* [];

Methods

* **Mutator methods** - these methods modify the array

Array.prototype.push()

Adds one or more elements to the end of an array and returns the new length of the array.

[Array.prototype.pop()](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/pop)

Removes the last element from an array and returns that element.

[Array.prototype.shift()](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/shift)

Removes the first element from an array and returns that element.

[Array.prototype.unshift()](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/unshift)

Adds one or more elements to the front of an array and returns the new length of the array.

[Array.prototype.sort()](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/sort)

Sorts the elements of an array in place and returns the array.

[Array.prototype.splice()](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/splice)

Adds and/or removes elements from an array.

* **Accessor methods** - These methods do not modify the array and return some representation of the array

[Array.prototype.join()](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/join)

Joins all elements of an array into a string.

* **Iterator methods** – e.g. a.map(function(S,Idx,array));

[Array.prototype.every()](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/every)

Returns true if every element in this array satisfies the provided testing function.

[Array.prototype.some()](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/some)

Returns true if at least one element in this array satisfies the provided testing function.