

The push method signature is `.push` and it adds one or more elements to the end of an array and return the new length of the array. This method could be used in a situation where you are creating a list of students that are in a course and one is late enrolling to the class, then you could use the push method to add the student to the list.

The sort method signature is `.sort` and it sorts the elements of an array in place, the default order is ascending. This method is useful when you want to alphabetize a list of enrolled students in a school.

The `concat()` method signature is `.concat` and it merges 2 or more arrays, creating a whole new array. This method would be useful when there are 2 classrooms that want to be merged for an event at school.

The splice method signature is `.splice` and it makes a copy of an array and deletes part of the array that you command. It does not alter that original array. This method could be useful when there is a list of students enrolled in a classroom, and the school is having an event. One could use the splice method to remove students from the list that cannot attend the event.

The reverse method signature is `.reverse()` and it reverse the array in its place. The first element becomes the last and the last becomes the first. This method could be useful when you need to take a list of students and reverse the list of names.

The `==` operator compares the values, the `===` operator compares the values as well as the data types.

A closure gives you access to an outer function scope from an inner function.

For example:

```
Function init() {  
    var name = "sam";  
    function displayName() {
```

`var name` and `function displayName()` are a inner functions to the outer function `init()` and they have access to the outer function `init()`

My favorite thing I learned this week has to be learning the different kinds of methods that can affect the arrays.

https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/push

https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/sort

https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/concat

https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/reverse

https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/slice