**ITERATORS**

**Review**

Awesome job on clearing the iterators lesson! You have learned a number of useful methods in this lesson as well as how to use the JavaScript documentation from the Mozilla Developer Network to discover and understand additional methods. Let’s review!

* .forEach() is used to execute the same code on every element in an array but does not change the array and returns undefined.
* .map() executes the same code on every element in an array and returns a new array with the updated elements.
* .filter() checks every element in an array to see if it meets certain criteria and returns a new array with the elements that return truthy for the criteria.
* .findIndex() returns the index of the first element of an array which satisfies a condition in the callback function. It returns -1 if none of the elements in the array satisfies the condition.
* .reduce() iterates through an array and takes the values of the elements and returns a single value.
* All iterator methods takes a callback function that can be pre-defined, or a function expression, or an arrow function.
* You can visit the [Mozilla Developer Network](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array) to learn more about iterator methods (and all other parts of JavaScript!).

**Instructions**

If you want to challenge yourself:

* Define a callback function before you use it in a iterator.
* Chain two iteration methods on the same array.
* Use the optional arguments in an iterator to include the index or the entire array. (Check out [MDN’s Array iteration methods page](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array#Iteration_methods) for more information)
* Use .reduce() to take a multi-layered array and return a single layer array from scratch.