

Exercise

Thursday

Introduction to Programming

(/introduction-to-programming)

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

/ Practice: Array Mapping

Text

Goal: Now that we've learned about `Array.prototype.map()`, let's further hone our array mapping skills by completing the exercises detailed below.

Warm Up

- What is a callback function? How is it different from a plain old function?
- What portion of the following code is the callback function? What does this particular callback function do?

```
const tripledNumbers = [0,3,6,9].map(function(number) {  
  return number * 3;  
});
```

- Does `Array.prototype.map()` alter the array it is called upon?
- Discuss with your partner when you would use `Array.prototype.forEach()` and when it might be better to use `Array.prototype.map()`.

Code

Array Mapping Practice

Complete the following in the JavaScript DevTools console:

- Make an array of numbers, then use `Array.prototype.map()` to return an array containing each of the original numbers + 1.
- Create an array of words. Use `Array.prototype.map()` to return an array of the same words in all uppercase.

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