

Using the Array Find Method

- Due No Due Date
- Points 1
- Submitting a website url

 (<https://github.com/learn-co-curriculum/phase-1-array-find-method-lab>)  (<https://github.com/learn-co-curriculum/phase-1-array-find-method-lab/issues/new>)

Learning Goals

- Practice using `find()` to isolate a specific result

Introduction

We have learned that the `indexof()` and `find()` methods can be used to locate an element in an array, and that they return the **first** element for which the condition is met. (If you instead want a list of *all* elements that meet a condition, you would use `Array.prototype.filter()` instead. We'll learn about `filter()` in the next lesson.)

We've also learned that the `find()` method takes a *callback function* as its argument. This is a common pattern for the `Array` methods we'll be learning about in this section — in fact, `indexof()` is the only one that *doesn't* take a callback function as an argument. `find()` is one of two `Array` methods that expects the callback function to return either `true` or `false` (`filter()` is the other one).

In this lab, we'll practice using the `find()` method.

Practice Using `find()` to Isolate a Specific Result

Let's create a function that uses the method `find()` to single out a specific result in game record data for the Denver Broncos football team. We want to find out if, at *any* point in the team's existence, they've had a win in the Superbowl. Our data looks like this:

```
const record = [  
  { year: "2015", result: "W"},
```

```
{ year: "2014", result: "N/A"},  
{ year: "2013", result: "L"},  
//...  
]
```

Write a function called `superbowlWin()` in `index.js`:

- The function should receive 1 argument, an `Array` of JavaScript `Object`s
- Each object has two properties: `year` and `result`
- It should use `find()` to test each `Object` to see if the `result` is "W" — a win!
- It should return the `year` when the win occurred (if it occurred at all!)
- If no win is found, it should return, sadly, `undefined`

Remember the workflow:

1. Install the dependencies using `npm install`.
2. Run the tests using `npm test`.
3. Read the errors; vocalize what they're asking you to do.
4. Write code; repeat steps 2 and 3 often until a test passes.
5. Repeat as needed for the remaining tests.

After you have all the tests passing, remember to commit and push your changes up to GitHub, then submit your work to Canvas using CodeGrade.

Conclusion

`Array.prototype.find()` is a built-in function in JavaScript which is used to get the value of the first element in the array that satisfies the provided condition. With this, you can quickly check all the elements of the array and return the first match.

Resources

- [MDN: `Array.prototype.find\(\)`](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/find) ↗ (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/find)