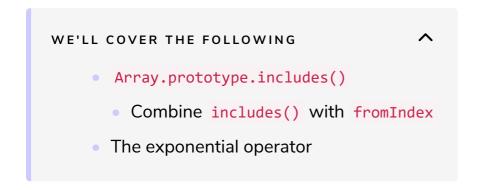
## **Everything new in ES2016**

Let's check out the new features introduced in ES2016.



ES2016 introduced just only two new features:

- Array.prototype.includes()
- The exponential operator

## Array.prototype.includes() #

The includes() method will return true if our array includes a certain element, or false if it doesn't.

```
let array = [1,2,4,5];
console.log(array.includes(2));
// true
console.log(array.includes(3));
// false
```

## Combine includes() with fromIndex #

We can provide .includes() with an index to begin searching for an element.

Default is 0, but we can also pass a negative value.

The first value we pass in is the element to search and the second one is the index:

```
let array = [1,3,5,7,9,11];

console.log(array.includes(3,1));
// find the number 3 starting from array index 1
// true
console.log(array.includes(5,4));
//false
console.log(array.includes(1,-1));
// find the number 1 starting from the ending of the array going backwards
// false
console.log(array.includes(11,-3));
// true
```

At line 6, array.includes(5,4); returned false because- despite the array actually containing the number 5- it's found at the index 2. But we started looking at position 4. That's why we couldn't find it and it returned false.

array.includes(1,-1); returned false because we started looking at the index -1 (which is the last element of the array) and then continued from that point onward.

array.includes(11,-3); returned true because we went back to the index -3 and moved up, finding the value 11 on our path.

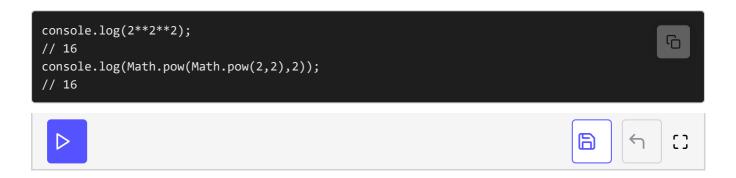
## The exponential operator #

We would have done the following prior to ES2016:



Now with the new exponential operator, we can do the following:

It'll become pretty useful when combining multiple operations like in this example:



Using Math.pow() you need to continuously concatenate them, which can get pretty long and messy. The exponential operator provides a faster and cleaner way of doing the same thing.

In the next lesson, we will solve a quiz and a coding challenge to test the concepts covered in this lesson.

Another quiz is on the docket next.