



forEach

 js-array-methods-forEach-demo.zip 12.1KB

Goals

- Understand what forEach does
- Write our own version of the forEach function

Why Do I Need To Know This?

- Write cleaner and more declarative code
- Use built in higher order functions and callback functions
- Foundation for modern libraries and frameworks

forEach

- Loops through an array
- Runs a callback function for each value in the array and then returns *undefined*
- forEach will always return undefined - **no matter what**

An Example

Goals

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Let's Build
Our Own!

An
Example

When You
Would Use
forEach

Recap

```
let arr = [1,2,3]; arr.forEach(function(value, index, array){  
  console.log(value); }); // 1 // 2 // 3 // undefined
```

Let's Build Our Own!

- Loops through an array
- Runs a callback function on each value in the array
- returns *undefined*

```
function forEach(array, callback){ for(let i = 0; i <  
  array.length; i++){ callback(array[i], i, array); } }
```

An Example

```
function countZeroes(arr){ let total = 0;  
arr.forEach(function(val){ if(val === 0) { total++; } });  
return total; } countZeroes([2,4,6]); // 0  
countZeroes([0,1,2,0,1]); // 2
```

Remember - forEach always returns undefined!

When You Would Use forEach

- You want to iterate over an array, but the return value of your callback is not important
- Almost all of the time there are better options...

Recap

- forEach iterates over an array, runs a callback on each value and
- forEach returns undefined

