

Day 1, Today's Topic

The forEach helper

DAILY
JS



```
/* ===== */  
/* ===== Daily JS - Day 1 ===== */  
/* ===== */
```

Day 1: The `forEach` Helper

The `forEach` helper function can be seen as an alternative to the regular for loop. The `forEach()` method basically calls an function (called the `iterator function`) once for each element in the array, in order.

In simple language, the forEach method loops through each element in an array and runs a function on that particular element.

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```
/* ===== */
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/* ===== Helper Functions - The forEach helper ===== */
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// Iteration through array
var fruits = [ 'mango', 'orange', 'pineapple', 'guava' ];

// Basic Syntax
for (var i=0; i<fruits.length; i++) {
    console.log (fruits[i]);
}

// forEach syntax
fruits.forEach (function (fruit) {
    console.log (fruit);
});

// forEach with arrow function
fruits.forEach (fruit => {
    console.log (fruit);
})

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```
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/**
 * Sum of each element in array of numbers
 * 1. Create an array of numbers
 * 2. Create a variable to hold the sum
 * 3. Loop over the array and increment the sum value
 * 4. print the sum variable
 */

const numbers = [6, 1, 2, 3, 8];
let sum = 0;

numbers.forEach (number => {
    sum += number;
});

console.log (sum);

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```



```
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/* ===== */
```

Day 1: The `forEach` Helper | Syntax

```
```js
array.forEach(function(currentValue, index, arr), thisValue)
```
```

- ****currentValue****: Required.
The value of the current element
- ****index****: Optional.
The array index of the current element
- ****arr****: Optional.
The array object the current element belongs to
- ****thisValue****: Optional.
A value to be passed to the function to be used as its "this" value.

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```




```
/* ===== */  
/* ===== Daily JS - Day 1 ===== */  
/* ===== */
```

Day 1: The `forEach` Helper

Why forEach?

- Less Amount of Code
- More Readable
- Less Chances of error

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Stay Tuned!

Thank you!

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