

map()



forEach()

.map() vs .forEach()

- Both are used to loop through arrays.
But they're not twins.
- They serve different purposes.



.forEach()

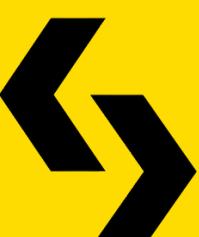
- Used for side effects, not transformation.
- Doesn't return a new array.
- Just executes a function for each item.

```
● ● ● JavaScript  
  
const numbers = [1, 2, 3];  
numbers.forEach(num =>  
  console.log(num * 2));  
// No return value – just logs: 2, 4, 6
```



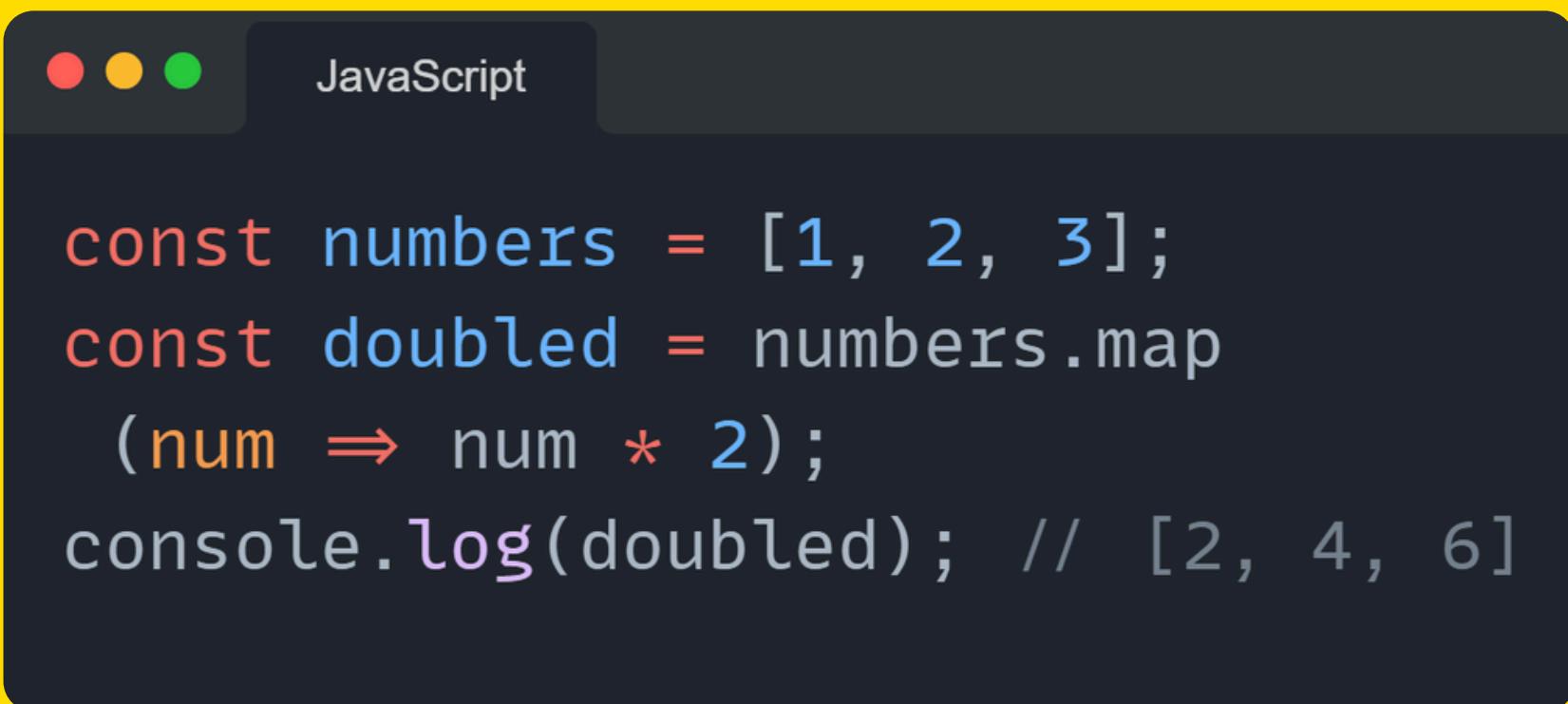
Best for

- 1 Logging
- 2 Updating UI
- 3 Pushing data to another array



.map()

- Used for transforming arrays.
- Returns a new array.
- Doesn't mutate the original array.



```
const numbers = [1, 2, 3];
const doubled = numbers.map
  (num => num * 2);
console.log(doubled); // [2, 4, 6]
```



Best for

1

Converting data

2

Mapping to new structures

3

Chaining with other array methods





.forEach()



.map()

- undefined

Return Value

- New array

- Side effects

Use Case

- Transform data

- No

Chainable

- Yes

- Unchanged

Original Array

- Unchanged



Keep Exploring Javascript with us!

Share this with a friend who needs it and make sure to practice these in scribbler.



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