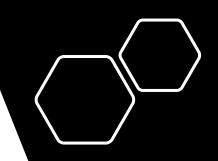
USING MAP()

```
const since = [2000, 2003, 2010, 2019];
const yearsPassed = [];
for (let i = 0; i < since.length - 1; i++) {
    const sinceYear = since[i];
    yearsPassed.push(2020 - sinceYear);
const yearsPassed = since.map(year ⇒ 2020 - year);
console.log(yearsPassed);
```

@scalispum

6 WAYS TO EASY USE ARRAYS

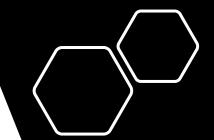


USING FILTER()

```
const people = [
    { name: 'John', age: 13 },
    { name: 'Theo', age: 15 },
    { name: 'John', age: 27 },
    { name: 'Jane', age: 30 },
];

const overagedPeople = [];
for (let i = 0; i < people.length - 1; i++) {
    const person = people[i];
    if (person.age >= 18) {
        overagedPeople.push(person);
    }
}
```

```
const overagedPeople = people.filter(person ⇒ person.age >= 18);
console.log(overagedPeople);
// [ { name: 'John', age: 27 }, { name: 'Jane', age: 30 } ]
```

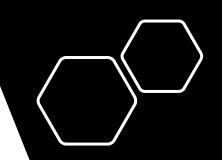


USING REDUCE()

```
const numbers = [5, 10, 20];
const sum = 0;
for (let i = 0; i < numbers.length - 1; i\leftrightarrow) {
    const number = numbers[i];
    sum += number;
const sum = numbers.reduce((oldSum, current) ⇒ (oldSum + current));
console.log(sum);
```



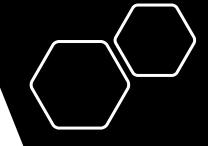
6 TRICKS TO WRITE LESS JS



USING FOREACH()

```
const names = ['John', 'Jane', 'Anne', 'Jody'];
for (let i = 0; i < names.length - 1; i++) {
    const name = names[i];
    // Do something with each name
}</pre>
```

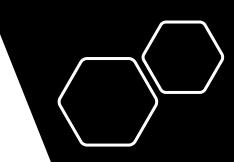
```
names.forEach(name ⇒ {
    // Do something with each name
})
```



USING SORT()

```
const sortedByAge = people.sort((a, b) ⇒ (a.age - b.age));

console.log(people);
/* [ { name: 'Christian', age: 5 },
  { name: 'Edward', age: 21 },
  { name: 'John', age: 37 },
  { name: 'Maria', age: 45 } ] */
```



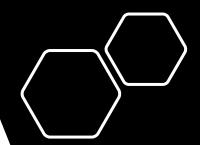
TEMPLATE LITERALS

Longhand:

```
const welcome = 'Welcome ' +first+ ' ' +last+ '.';
const db = 'http://' +host+ ':' +port+ '/' +database;
```

Shorthand:

```
const welcome = `Welcome ${first} ${last}`;
const db = `http://${host}:${port}/${database}`;
```



TERNARY OPERATOR

Longhand:

```
const num = 20;
let answer;

if (x > 10) {
    answer = "greater than 10";
}
else {
    answer = "less than 10";
}
```

Shorthand:

```
const answer = x > 10 ? "greater than 10" : "less than 10";
```

