10 JavaScript Snippets to Code Like a Pro

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1. One-Liner If-Else Statements

```
const age = 12;
let ageGroup;


// LONG FORM
if (age > 18) {
   ageGroup = "An adult";
} else {
   ageGroup = "A child";
}


// SHORTHAND
ageGroup = age > 18 ? "An adult" : "A child";
```

2

Remove Duplicates From an Array

```
const numbers = [1, 1, 20, 3, 3, 3, 9, 9];

const uniqueNumbers = [...new Set(numbers)]; // -> [1, 20, 3, 9]
```

3

Nullish Coalescing for Shorter If-Else's

```
let maybeSomething;


// LONG FORM
if(maybeSomething){
  console.log(maybeSomething)
} else {
  console.log("Nothing found")
}


//SHORTHAND
console.log(maybeSomething ?? "Nothing found")
```

4

Swap Two Variables Without a Third

```
let x = 1;

let y = 2;


// LONGER FORM

let temp = x;

x = y;

y = temp;


// SHORTHAND

[x, y] = [y, x];
```

5

Cast Any Value to a Boolean

```
!!true     // true

!!2        // true

!![]       // true

!!"Test"   // true


!!false    // false

!!0        // false

!!""       // false
```

6

The Spread Operator

```
const nums1 = [1, 2, 3];

const nums2 = [4, 5, 6];


// LONG FORM

let newArray = nums1.concat(nums2);


// SHORTHAND

newArray = [...nums1, ...nums2];
```

This syntax can also be used instead of pushing values to an array:

```
let numbers = [1, 2, 3];


// LONGER FORM
numbers.push(4);
numbers.push(5);


// SHORTHAND
numbers = [...numbers, 4, 5];
```

7

Spread Destructuring

```
const student = {
  name: "Matt",
  age: 23,
  city: "Helsinki",
  state: "Finland",
};

// LONGER FORM
const name = student.name;
const age = student.age;
const address = { city: student.city, state: student.state };

// SHORTHAND
const { name, age, ...address } = student;
```

8

Short-Circuit Evaluation Using &&

```
var isReady = true;


function doSomething(){
  console.log("Yay!");
}


// LONGER FORM
if(isReady){
  doSomething();
}


// SHORTHAND
isReady && doSomething();
```

9

Strings on Steroids

```
const age = 41;

const sentence = `I'm ${age} years old`;


// result: I'm 41 years old
```

10

Find a Specific Element from an Array

```
const fruits = [
  { type: "Banana", color: "Yellow" },
  { type: "Apple", color: "Green" }
];

// LONGER FORM
let yellowFruit;
for (let i = 0; i < fruits.length; ++i) {
  if (fruits[i].color === "Yellow") {
    yellowFruit = fruits[i];
  }
}

// SHORTHAND
yellowFruit = fruits.find((fruit) => fruit.color === "Yellow");
```

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