

The typeof operator

In this lesson, you'll learn about the `typeof` operator which will tell you if you are dealing with a number or some text or even if there is a value at all.

Congratulations! You now know the basic types of JavaScript. This is a perfect time to introduce an operator that returns the type of a value.

The `typeof` operator accepts one operand and returns a string. This string describes the type of an object.

```
typeof ''          // "string"
typeof 0           // "number"
typeof true        // "boolean"
typeof {}          // "object"
typeof []          // "object"
typeof null        // "object"
typeof undefined   // "undefined"
typeof Symbol()    // "symbol"
```



Differentiating between arrays, objects and null

There is just one problem: arrays, objects, and the `null` value have the same type. It would be great if we could differentiate between them. Fortunately, ES6 solves the array problem:

```
console.log(Array.isArray( [1, 2] ))
console.log(Array.isArray( {a: 1} ))
```



Regarding the null value, a simple comparison does the trick:

```
let name = null;
console.log( name === null )
```



typeof Function

Functions have the type **“function”**:

```
function two() { return 2; }  
  
console.log(typeof two)
```

