

ABOUT JAVASCRIPT ARRAYS





An array is
a special variable,
which can hold more than one value:

```
const cars = ["Saab", "Volvo", "BMW"];
```

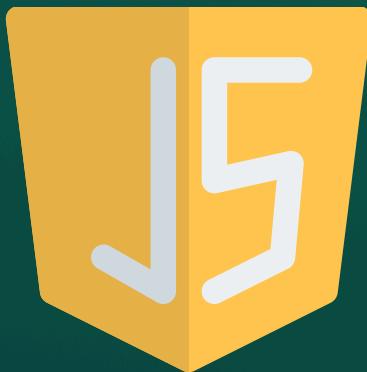


Why use arrays?

If you have a list of items
(a list of 🚗 car names, for example),
storing the cars in single variables
could look like this



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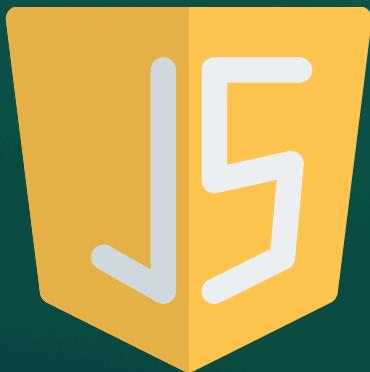
```
let car1 = "Saab";
let car2 = "Volvo";
let car3 = "BMW";
```



However,
what if you want to loop through
the cars and find a specific one?

And what if you had not 3 cars, but 300?

★ The solution is an array! ★



An array can hold many values under a single name, and you can access the values by referring to an index number.



Creating an Array

Using an array literal is the easiest way to create a JavaScript Array.

Syntax:

```
const array_name = [item1, item2, ...];
```



It is a common practice
to declare arrays with the
const keyword.

Example:

```
const cars = ["Saab", "Volvo", "BMW"];
```



Spaces and line breaks are not important.
A declaration can span multiple lines:

```
const cars = [  
    "Saab",  
    "Volvo",  
    "BMW"  
];
```

You can also create an array,
and then provide the elements:

```
const cars = [];  
cars[0] = "Saab";  
cars[1] = "Volvo";  
cars[2] = "BMW";
```



As you can see,
JavaScript arrays make it easy to store and
work with multiple values.

Whether you have a few items
or hundreds, arrays simplify your code





Learn more about JavaScript
Arrays at [W3Schools.com](https://www.w3schools.com/js/js_arrays.asp)

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