

# Length

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## Synopsis

Length is one of the most used prototype of an array.

## Why

Often, when I say often I mean all the time, a coder will want to know the length of an array. This is needed to be able to know how many items/indexes are in the array to loop over or search through.

Say that a coder puts the amount of movies they own or a company owns into an array:

```
1 var movie = ["The Thing", "Firefly", "Rush Hour", "Friday the  
13th"];
```

To find out how movies there are, all you need to do is run the prototype length on the array.

## Syntax

The syntax is very easy. The name of the array and then length

```
1 movie.length // 4
```

# Advanced

## Examples

```
1
2 // ----- Example 1 -----
3
4 var array_numbers = [11,2,1,3,4];
5
6 array_numbers.length // 5
7
8 // ----- Example 2 -----
9
10 // length is very powerful when you use it,
11 // with a for loop when you want to loop over it
12
13 var greet = ["hi" , "bye" , "hello" , "goodbye"];
14
15 var length = greet.length;
16
17 for (var i = 0 ; i < length ; i++){
18     console.log(greet[i]);
19 } // End of For Loop
20
21 // ----- Example 2 -----
22
23 var greet = ["hi" , "bye" , "hello" , "goodbye"];
24
25 var length = greet.length;
26
27 for (var i = 0 ; i < greet.length ; i++){
28     console.log(greet[i]);
29 } // End of For Loop
30
31 // You don't need to make a seperate variable
32 // If you don't want to
```

## Further Reading

[MDN - length](#)