



ARRAYS & LOOPS

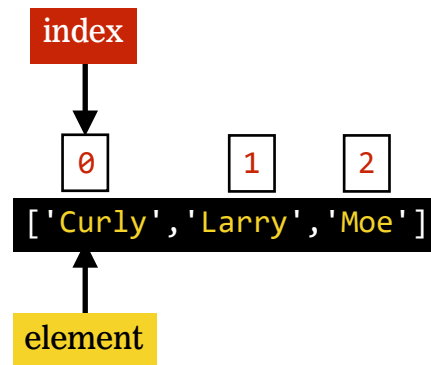
DATA TYPES

String	Literal characters, enclosed in quotes "about"
Number	Numbers treated as numeric values (not in quotes) 15
Array	Collection of data ["Larry", "Curly", 15, 42]

ARRAY HELPER METHODS

<code>toString()</code>	Returns a single string consisting of the array elements converted to strings and separated by commas
<code>join()</code>	Same as <code>toString()</code> , but allows you to pass a custom separator as an argument
<code>pop()</code>	Removes and returns the item at the end of the array
<code>push()</code>	Adds one or more items to the end of the array

ARRAYS



<code>reverse()</code>	Reverses the array
<code>shift()</code>	Removes and returns the item at the start of the array
<code>unshift()</code>	Adds one or more items to the start of the array

ARRAY ITERATOR METHODS

<code>forEach()</code>	Executes a provided function once per array element	<code>filter()</code>	Creates a new array with all elements that pass the test implemented by the provided function
<code>every()</code>	Tests whether all elements in the array pass the test implemented by the provided function	<code>map()</code>	Creates a new array with the results of calling a provided function on every element in this array
<code>some()</code>	Tests whether some element in the array passes the test implemented by the provided function		

Usage:

```
arrayName.method(function() {  
  // do something  
});
```

Example:

```
let friends = ['Curly', 'Larry', 'Moe'];  
friends.forEach(function() {  
  // do something  
});
```

LOOPS

for	<i>Runs while a condition is true, and includes syntax to declare and customize the iterator at the start</i>	<pre>for (variable; condition; iteration) { // do something }</pre>
while	<i>Runs while a condition is true</i>	<pre>while (condition) { // do something }</pre>
do while	<i>Runs while a condition is true, and ensures that the code block is executed at least once</i>	<pre>do { // do something } while (condition)</pre>

Incrementing example:

```
for (let i = 0; i <= 10; i += 1) {  
  console.log(i);  
});
```

// result:
0
1
2
3
4
5
6
7
8
9
10

Decrementing example:

```
console.log('Starting countdown');  
for (let i = 10; i >= 0; i -= 1) {  
  console.log(i);  
};  
console.log('Liftoff!');
```

// result:
Starting countdown
10
9
8
7
6
5
4
3
2
1
0
Liftoff!