

VARIABLES

Declaring a variable:	let age;
Assigning a variable:	age = 29;
Both in one step:	let age = 29;

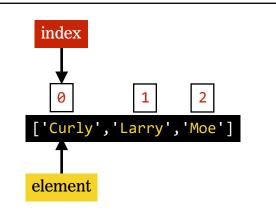
DATA TYPES

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]

EQUAL SIGNS

=	assigns value on right to object on left
===	evaluates whether values on left and right are the same

ARRAYS



ARITHMETIC OPERATORS

+	add (also concatenates strings)
-	subtract
*	multiply
/	divide
%	modulus (remainder)

COMPOUND OPERATORS

+=	adds a number to a variable and assigns the new value to the same variable
-=	subtracts a number from a variable and assigns the new value to the same variable
++	adds 1 to a value
	subtracts 1 from a value

SPECIAL NUMBER OPERATORS

Math.pow(m,n)	Returns m to the power of n
Math.sqrt(n)	Returns the square root of n
Math.random()	Returns a random number between 0 (inclusive) and 1 (exclusive)
Math.floor(n)	Returns largest integer less than or equal to n
Math.ceil(n)	Returns smallest integer greater than or equal to n

ARRAY HELPER METHODS

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

ARRAY ITERATOR METHODS

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

Usage:	Example:
<pre>arrayName.method(function() { // do something</pre>	<pre>let friends = ['Curly','Larry','Moe'];</pre>
});	<pre>friends.forEach(function() { // do something });</pre>

LOOPS

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