

Iterating		Array Methods (cont)	
<code>for (key in obj)</code>	Iterates over keys	<code>arr:join(separator)</code>	Returns a string from the array values, with an optional separator string
<code>for (value of obj)</code>	Iterates over values	<code>JSON.stringify(arr)</code>	Returns a JSON string representation of array. Deep string.
Array Methods		Sorting	
<code>arr:forEach(function(val, i, arr)</code>	Executes a function for each value.	<code>arr:sort()</code>	Sorts lexicographically
<code>arr:every(function(val, i, arr)</code>	Returns true if every value passes the function test	<code>arr:sort((a, b) =&gt; a - b)</code>	Sorts numbers
<code>arr.reverse()</code>	Reverses the <i>original</i> array	Number Methods	
Searching		<code>num.toFixed(n)</code>	Returns a number rounded to n significant figures after the decimal
<code>arr:includes(val)</code>	Returns true if array contains a value	<code>num.toPrecision(n)</code>	Returns a string rounded to n significant figures
<code>arr:indexOf(val)</code>	Returns the index of a value in an array or -1 if not found	<code>num.toString()</code>	Returns a string representation of a number
<code>arr:find(function)</code>	Returns the value of the first index to satisfy the function	Object Methods	
<code>arr:findIndex(function)</code>	Returns the index of the first value to satisfy the function	Object to Array	
Add Values		<code>Object.keys(obj)</code>	Array of obj keys
<code>arr:splice(start, 0, items...)</code>	Adds items to array beginning at starting index	<code>Object.values(obj)</code>	Array of obj values
<code>arr:unshift(val)</code>	Adds val to front of array	<code>Object.entries(obj)</code>	2D array of key:value pairs
<code>arr:push(val)</code>	Adds val to back of array	Object to String	
Delete Values		<code>JSON.stringify(obj)</code>	obj to string
<code>arr:splice(start, n)</code>	Delete n items from array beginning at starting index	<code>JSON.parse(obj)</code>	string to obj
<code>arr:shift()</code>	Removes arr[0] and returns the value	Add/Remove Properties	
<code>arr:pop()</code>	Removes last value in a array and returns it	<code>delete obj[key]</code>	Delete property
Copy Values		<code>obj[key] = value</code> <td>Add property</td>	Add property
<code>arr:slice(beg, end)</code>	Returns a shallow copy of arr from beg to end (non-inclusive)		



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### String methods

`str.slice(beg, end)` returns a substring from beginning to end index

`str.toLowerCase()` Returns a lowercase version of str

### String to Array

`str.split(separator)` Returns an array of the string, split by the separator

### Searching Strings

`str.includes(str)` Returns true if str is in string

`str.indexOf(str)` Returns index of str if within string, or -1 otherwise

`str.startsWith(str, beg)` Returns true if string starts with str, optionally from beg index.

`str.endsWith(str, len)` Returns true if string starts with str, optionally limited to the first len characters

### Combine Strings

`str.concat(strings...)` Returns new string concatenation

### Math Object Methods

`Math.abs(num)` Returns the absolute value of num

### Random Numbers

`Math.round(Math.random() * (max - min)) + min` Returns a random number between two ints

`Math.random()` Returns a random number between 0 and 1.

### Rounding

`Math.floor(num)` Goes down to the nearest int  $\leq num$

`Math.ceil(num)` Goes up to the nearest int  $\geq num$

`Math.round(num)` Rounds to the nearest int



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