Cheatography

Essential Vanilla JavaScript Methods Cheat Sheet

by bytecut via cheatography.com/61737/cs/15924/

Iterating

for (key **in** obj)	Iterates over keys
for (value **of** obj)	Iterates over values

Array Methods

arr.forEach(function(val, *I*, *arr*))	Executes a function for each value.
arr.every(function(val, *i*, *arr*))	Returns true if every value passes the function test
arr.reverse()	Reverses the *original* array
Searching	
arr.includes(val)	Returns true if array contains a value
arr.indexOf(val)	Returns the index of a value in an array or -1 if not found
arr.find(function)	Returns the value of the first index to satisfy the function
arr.findIndex(function)	Returns the index of the first value to satisfy the function
Add Values	
arr.splice(start, 0, items...)	Adds items to array beginning at starting index
arr.unshift(val)	Adds val to front of array
arr.push(val)	Adds val to back of array
Delete Values	
arr.s**p**lice(start, *n*)	Delete n items from array beginning at starting index
arr.shift()	Removes arr[0] and returns the value
arr.pop()	Removes last value in a array and returns it
Copy Values	
arr.slice(*beg*, *end*)	Returns a shallow copy of arr from beg to end (non-inclusive)

Array Methods (cont)

To String	
arr.join(*separator*)	Returns a string from the array values, with an optional separator string
JSON.stringify(arr)	Returns a JSON string representation of array. Deep string.
arr.toString()	Returns a comma-delimited string of **scalar** array values. Shallow string.
Sorting	
arr.sort()	Sorts lexicographically
arr.sort((a, b) => a - b)	Sorts numbers

Number Methods

num.toFixed(*n*)	Returns a number rounded to n significant figures**after the decimal**
num.toPrecision(*n*)	Returns a **string** rounded to n significant figures
num.toString()	Returns a string representation of a number

Object Methods

Object to Array	
Object.keys(obj)	Array of obj keys
Object.values(obj)	Array of obj values
Object.entries(obj)	2D array of key:value pairs
Object to String	
JSON.stringify(obj)	obj to string
JSON.parse(obj)	string to obj
Add/Remove Properties	
delete obj[key]	Delete property
obj[key] = value	Add property

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 <= num
Math.ceil(*num*)	Goes up to the nearest int >= num
Math.round(*num*)	Rounds to the nearest int