Cheat Sheet jQuery Blog



Variablesx

// variable
// string
// = "Hi Joe"
// = "33"
// array
// boolean
// RegEx
// function object var a; var b = "init"; var c = "Hi" + " " + "Joe"; var b = "init";
var c = "Hi" + " " + ";
var d = 1 + 2 + "3";
var e = [2,3,5,8];
var f = false;
var g = /()/;
var h = function()(); var n = function()(); const PI = 3.14; var a = 1, b = 2, c = a + b; let z = 'zzz'; // constant
// one line
// block scope local variable

"use strict"; // Use strict mode to write secure code
x = 2; // Throws an error because variable is not declare Values false, true // boolean
18, 3.14, 0b10011, 0xF6, NaN // number
"flower", 'John' // string
undefined, null , Infinity // special

Operators

Bitwise operators 5 & 1 (0101 & 0001) 1 (1) 5 | 1 (0101 | 0001) 5 (101) ~ 5 (~0101) 10 (1010) AND OR NOT &
 A ANU
 5 & 1 (U1U & 2004)
 1 (1)

 I OR
 511 (10161 10001)
 5 (101)

 N NOT
 - 5 (~0101)
 10 (1010)

 A XOR
 5 1 (10101 × 0001)
 4 (100)

 << last shift</td>
 5 << 1 (10101 <> 1)
 10 (1010)

 >>> zero fill right shift
 5 >> 1 (0101 >> 1)
 2 (10)

Arithmetic a * (b + c)
person.age
person[age]
!(a == b)
a != b type (number, object, function...)
minary shifting // unequal
// strict equal
// strict unequal
// less and greater than
// less or equal, greater or eq
// a = a + b (works with - * %...)
// logical and
// logical or a !== b a < b a > b a <= b a >= b a += b a && b a || b

var dogs = ["Bulldog", "Beagle", "Labrador"]; var dogs = new Array("Bulldog", "Beagle", "Labrador"); // declara

for (var i = 0; i < dogs.length; i++) { // parsing with array. console.log(dogs[i]); }

Methods

concat, copyWithin, every, fill, filter, find, findIndex, forEach, indexOf, isArray, join, lastIndexOf, map, pop, push, reduce, reduceRight, reverse, shift, slice, some, sort, splice, toString, unshift, valueOf

Errors 🔥 📖

// block of code to try try {
undefinedFunction(); // block to handle errors throw "My error message"; // throw a text Input validation x = Number(x);
if(x > 10) throw "too high"; }
catch(err) {
document.write("Input is " + err);
console.error(err); // if there's an e
// output error
// write the error in }
finally {
document.write("</br />Done");

Error name values A number is "out of range"
An illegal reference has occurred
A syntax error has occurred
A type error has occurred
An encodeURI() error has occurred RangeError ReferenceError SyntaxError TypeError URIError

Loops 🔎 For Loop

for (var i = 0; i < 10; i++) {
document.write(i + ": " + i*3 + "
"); var sum = 0;
var sum = 0;
for (var i = 0; i < a.length; i++) {
sum + = a[i];
}
// parsing an array
...</pre> While Loop

var i = 1; // initialize while (i < 100) { // enters the cycle if statement i == 2; // increment to avoid infinite loop document.write(i + ", "); // output Do While Loop

for (var $i=0; i<10; i\leftrightarrow \}$ { if (i=-5) { continue; } // skips the rest of the cycle document.write(i+","); // skips 5

Events () <button onclick="myFunction();">
Click here

onclick, oncontextmenu, ondblclick, onmousedown, onmouseenter, onmouseleave, onmousemove, onmouseover, onmouseout, onmouseup

onkeydown, onkeypress, onkeyup

Frame onabort, onbeforeunload, onerror, onhashchange, <u>onload</u>, onpageshow onpagehide, onresize, onscroll, onunload

Form onblur, onchange, onfocus, onfocusin, onfocusout, oninput, oninvalid, onreset, onsearch, onselect, onsubmit

Drag

Clipboard

Media

onabort, oncanplay, oncanplaythrough, ondurationchange, onended, oneror, onloadeddata, onloadedmetadata, onloadstart, onpause, onplay, onplaying, onprogress, onratechange, onseeked, onseeking, onstalled, onsuspend, ontime

animationend animationiteration animationstart

Miscellaneous transitionend ommessage, ommousewheel, ononline, onoffline, onpopstate, onshow, onstorage, ontoggle, onwheel, ontouchancel, ontouchend, ontouchstart

Global Functions ()

// executes a string as if it was scri // return string from number // return string from number // return number from string eval(); String(23); (23).toString(); (23).tostring();
Number("23");
decodeURI(enc);
encodeURI(uri);
decodeURIComponent(enc);
encodeURIComponent(uri);
isFinite(); // return number from string
// decode URI. Result: "my page.asp"
// decode URI. Result: "myRpage.asp"
// decode URI Component
// decode a URI Component
// is variable a finite, legal number
// is variable an illegal number
// returns floating point number of st
// parses a string and returns an inte isNaN(); parseFloat(); parseInt();

Promises Þ

}
vor myPromise = sum(10, 5);
myPromsise.then(function (result) {
 obcument.write(' 10 - 5: ", result);
 return sum(mult, "foo");
).then(function () {
)).catch(function (err) {
 comsole.erron(err);
));
} // Invalid data and return a
 // Won't be called because
 // The catch handler is ca
// => Please provide two num

pending, fulfilled, rejected Promise.length, Promise.prototype

States

Methods Promise.all(iterable), Promise.race(iterable), Promise.reject(reason)
Promise.resolve(value) Basics►

On page script <script type="text/javascript"> ...
</script> Include external JS file <script src="filename.js"></script</pre>

Delay - 1 second timeout

1000) Functions

function addNumbers(a, b) (
return a + b; ; }
x = addNumbers(1, 2);

Edit DOM element ent.getElementById("elementID").innerHTML = "Hello World!";

Output Compute Console.log(a); // write to the browser console console.log(a); // write to the HTML document.write(a); // write to the HTML confirms("meally?"); // yes/no dialog, returns true/false d property ("our age?","o"); // input dialog. Second argument is th

/* Multi line

Strings⊗ _ var abc = "accdefgnijkimnoperstuwoyz";
var acc = "idon't in know"; // in new line
var len = abc.length;
vac len = abc.size(c);
vac length;
vac l

Dates 🛐 📗

Fri Mar 15 2024 11:04:45 GMT+0100 (hora estándar de Europa central) var d = nex Date();
1710497085306 miliseconds passed since 1970

Date("2017-06-23");

Date(2017) // date details and observed by the date of Get Times

var d = new Date();
a = d.getDay(); // getting the weekday

getDate(); // day as a number (1-31) getDay(); // weekday as a number (8-getFullYear(); // four digit year (yyyy) getFullYear(); // hour (8-23) getFullYear(); // milliseconds (0-999) getFullYear(); // milliseconds (0-999) getFullYear(); // minutes (8-59) getFullYear(); // minutes (8-59) // minutes (0-59)
// month (0-11)
// seconds (0-59)
// milliseconds since 1970 getSeconds();
getTime();

Setting part of a date

var d = new Date();
d.setDate(d.getDate() + 7); // adds a week to a date

JSON i

var myObj = { "name":"Jane", "age":18, "city":"Chicago" }; // cre
var myJSON = JSON.stringify(myObj); // str
window.location = "demo.php?x=" + myJSON; // sen

Storing and retrieving

// retrieving data

> JS If - Else↓↑ // logical condition
// executed if condition
// else block if
// executed if condition if ((age >= 14) && (age < 19)) {
 status = "Eligible.";
} else {
 status = "Not eligible.";</pre> SEO Switch Statement switch (new Date().getDay()) {
case 6:
 text = "Saturday";
 break; // input is current d
// if (day == 6) Dream,
case 0:
text = "Sunday";
break; default: text = "Whatever"; // else... Data Types 🎗 🔙

Hide comments HTML

CSS

var age = 18; // number
var anae = "Jame"; // string
var name = (first:"Jame", last:"Doe"); // object
var truth = folss; // boolean
var sheeta = ("HTNL", CSS", "JS"); // arrefund
var a s nutt; // value null Objects var student = {
firstName:"Jane",
lastName:"Doe",
age:18,
height:170, // object name
// list of properties and values fullName : function() { // object functi return this.firstName + " " + this.lastNa // setting value

Numbers and Math∑

Numbers and Math \(\)

ver pi = 3.44;
pi.tofixed(0); // returns 3.14 - for working with money
pi.tofixed(2); // returns 3.14 - for working with money
pi.tofixed(2); // returns 3.19
pi.valueOf(); // returns 3.14 - for working with money
pi.tofixed(2); // returns 3.19
Number(new Dot()) // number of milliseconds since 1970
Number(new Dot()) // number of milliseconds since 1970
parseInt("3 months"); // returns 3.5
Number.Number.Nit // souther Number.Nit // souther Number.Nit // souther Number.Nit // returns 3.5
Number.Nit // number.Nit // returns 3.5
Number.Nit // returns 3.10
Number.Nit // returns 3.10
Number.Nit // returns 3.14
Number.Nit //

Math.

// 3.141592653589793

// * 4 - rounded

// * 5

// = 256 - 2 to the power of 8

// = 7 - square root

// = 3.14 - absolute, positive value

// = 4 - rounded dy

// = 0 - sine

// OTHERS: tan.atan.asin.acos. Math.pow(2,8);
Math.sqrt(49);
Math.abs(-3.14);
Math.ceil(3.14);
Math.floor(3.99);

; // random number between 0 and 1 th.random() * 5) + 1; // random integer, from 1 to 5

E, PI, SQRT2, SQRT1_2, LN2, LN10, LOG2E, Log10E

var a = str.search(/CheatSheet/i);

perform case-insensitive matching perform a global match perform multiline matching Patterns Escape character find a digit find a whitespace character find muthat a teapinning or end of a word contains at least one n contains zero or more occurrences of n contains zero or more occurrences of n Start of string End of string find the Unicode character Anv simila character

Regular Expressions\n

Useful Links ∉ JS cleaner Obfuscator Can I use? Node.js jQuery RegEx tester

copy-paste the code you need or just quickly check the 35 syntax for your projects.

Choose to display or hide the comments, clicking the command in the top right corner.

- $\bullet \ \ \textbf{Basics} \text{Introduction to JavaScript syntax}. \ \ \text{Learn how to include the scripts on a HTML page, how to declare a}$ function, target a DOM element by it ID, how to output the data and how to write comments
- Loops Most programming languages allow to work with loops, which help in executing one or more statements up to a desired number of times. Find the "for" and "while" loop syntax in this section.
- If Else statements Conditional statements are used to perform different actions based on different conditions.
- Variables Use variables (numbers, strings, arrays etc.) and learn the operators.
- Data types You can declare many types of variables and declare your own objects in JavaScript.
- $\bullet \ \ \textbf{Strings} \text{Learn how to work with JS strings and find the most common functions to work with this data type.}$
- Events Use JavaScript event listeners to trigger functions.
- Numbers and math Work with JS numbers, predefined constants and perform math functions.
- Dates Get or modify current time and date.
- Arrays Learn how to organize your vairables in vectors and how to use them.
 Global functions Predefined functions that are built in every browser that supports JS.
- Regular expressions Use RegEx to define a search pattern.
- Errors JS error handling.
 JSON JavaScript Object Notation is syntax used for storing and exchanging data.
- Promises The Promise object is used for asynchronous computation. See our example on how to declare one.

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