JAVASCRIPT VISUAL REFERENCE

Variables



Variable names (labels) are case sensitive and can only start with a letter (A-Z, a-z), an underscore (_) or \$

var name = true; var box2 = 24;box3 = 24;var box2 = null;

Operators

//Arithmetic Operators 2 * 3 4/2 a += 2

4 + 3a *= 24-3 4%3

//Bitwise Operators a & b;

a b; a ^ b; //Assignment Operators

//Comparison Operators

a === b:

a > b;

var a = 8: console.log(a++); //8 a = b = 2varb = 8;

> var a = true; //false !a;

Binary Operators

console.log(++b); //9

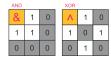
do else for if

> in instanceof new

Reserved keywords

break return class const switch case enum this catch export continue throw extends debugger try import default typeof super delete var implements void let while private public finally vield interface function package protected static arguments

Bit operators





a = -b; //attempts to convert b to a number, if its not: returns NaN, //if it is, negates the value of b and assigns it to a. b retains it's value

a = +b; //attempts to convert b to a number, if it's not: returns NaN. b retains its value

Precedence



String Escape Characters

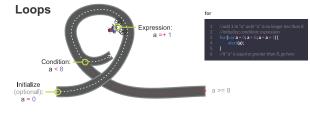


\t \b \f









String properties

charAt() charCodeAt() concat() fromCharCode() indexOf() lastIndexOf() localeCompare() match() replace() search() slice() split() substr() substring() toLocaleLowerCase() toLocaleUpperCase() toLowerCase() toString() toUpperCase() trim() valueOf()

Returns the character at the specified index (position) Returns the Unicode of the character at the specified index Joins two or more strings, and returns a copy of the joined strings

Converts Unicode values to characters

Returns the position of the first found occurrence of a specified value in a string Returns the position of the last found occurrence of a specified value in a string Compares two strings in the current locale

eval

Searches a string for a match against a regular expression, and returns the matches Searches a string for a value and returns a new string with the value replaced Searches a string for a value and returns the position of the match

Extracts a part of a string and returns a new string

Splits a string into an array of substrings

Extracts a part of a string from a start position through a number of characters

Extracts a part of a string between two specified positions

Converts a string to lower case letters, according to the host's locale Converts a string to upper case letters, according to the host's locale

Converts a string to lowercase letters

Returns the value of a String object

Converts a string to upper case letters

Removes whitespace from both ends of a string

Returns the primitive value of a String object

Arrays





push, pop as period purple **Arrays Methods**

concat() join() push() pop() reverse() shift() slice() sort() splice() unshift()

delete()

concat() join() add to the end

remove and return the last item reverse the order of array items remove first item create new array from existing array items sort alphabetically

replace items add at the beginning delete any element

RE

[abc] [0-9] (x|y|z)

\s

\$

?

find a digit find any word find one or more occurrences

beginning of the string end of string zero or one

find any character except newline

Functions



Function statement

function foo() { return 8; }

Function expression

foo = function foo() { return 8; }; var boo = function (x, y) { return x + y; };
(function doo() { return 8; }());

IIFE



console.log("no need to call me");

Scope



variable outside a function



Global Scope

n shadow() {

Closure



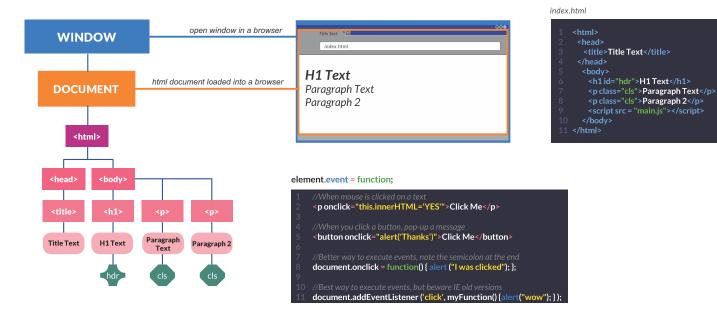
find any character between the brackets

find any digit between the brackets

find any of the separated with | sign



DOM



WINDOW Properties

closed
defaultStatus
document
frames
history
innerHeight
innerWidth
length
location
name
opener
outerHeight
outerWidth
parent

returns boolean whether window is opened or not get/set property of default window status bar reference to the current document object returns an array of all frames in the current widow returns URLs opened within the window

returns window's height in pixels returns window's width in pixels

returns the number of frames in the current window

get/set the current URL

returns the name of the window

pener reference to the window that opened a secondary window

terHeight returns entire window's height in pixels terWidth returns entire window's width in pixels current window or frame set

screenLeft |

x,Y coordinates of current window screenX relative to user's screen

screenY
scrollX
returns scroll's X location from upper left corner
scrollY
returns scroll's Y location from upper left corner

self current window

status get/set the content of browser's status bar

top topmost browser window

DOCUMENT Properties

cookie documentMode domain lastModified readyState referrer title URL

EVENT Handlers

onAbort onMouseDown onBlur onMouseMove onChange onMouseOut onClick onMouseOver onDblClick onMouseUponDragDrop onMove onError onReset onFocus onResize onKeyDown onSelect onKeyPress onSubmit onKeyUp onUnload

onLoad

WINDOW Methods

blur() clearInterval() clearTimeout()

alert()

displays a dialog box with the specified message and OK button removes focus from the window and brings it to the background

clears a timer set with the setInterval() method clears a timer set with the setTimeout() method

close() closes a window

confirm() displays a dialog box with the specified message and OK and Cancel buttons

focus() sets focus to the window. Brings the window to the front moveBy() moves a window by the specified amount in pixels. moveTo() moves a window to the specified coordinates in pixels

open() opens a new browser window

print() prints the content of a window or frame

prompt() displays a dialog box with a message and returns a string resizeBy() resizes a window by the specified amount in pixels resizeTo() resizes a window to the specified values in pixels scrollBy() scrolls a window by the specified amount in pixels scrollTo() scrolls a window to the specified values in pixels

setInterval() calls a function or evaluates an expression at specified intervals (in milliseconds) setTimeout() calls a function or evaluates an expression after a specified time (in milliseconds)

DOCUMENT Methods

close()
open()
getElementById()
getElementByName()
getElementByTagName()
write()
writeIn()

```
1 //returns all elements with the id "hdr"
2 getld - document.getElementByld("hdr");
3 //sh1id="hdr">sh1 rets/h1>
4

5 //returns a node collection of all p tags
5 console.log(document.getElementsByTagName("p"));
6 //fp.ds, p.ds, item: function]
7 //fp.ds, p.ds, item: function]
8 //returns all elements with the class name "cls"
10 console.log(document.getElementsByClassName("cls"));
11 //jp.ds, p.ds, item: function]
12 // with the content of the h1 element with the innerHTML property
13 //sh1id="Something Else";
15 //sh1id="hdr">Something Else*;
```