```
Cheat Sheet
      JS CheatSheet
                                                                                                                                                                                                                                                                                                                                                                     Loops 🖍 📗
                                                                                                                                                                                Basics ➤
                                                                                                                                                                                On page script
<script type="text/javascript"> ...
</script>
                                                                                                                                                                                                                                                                                                                                                                 For Loop

for (var i = 0; i < 10; i++) {
    document.write(i + ": " + i*3 + "<br />");
       Ads Ø
                                                                                                                                                                                                                                                                                                                                                                   . + 1*3 + "<br/>
var sum = 0;

for (var i = 0; i < a.length; i++) {

sum + a [i];

}
                                                                                                                                                                                  Include external JS file
                                                                                                                                                                                     <script src="filename.js"></script</pre>
                                                                                                                                                                                                                                                                                                                                                                     Delay - 1 second timeout
setTimeout(function () {
                                                                                                                                                                                   }, 1000);
                                                               Just pranx, Bro!
                                                                                                                                                                                 Functions
                                                                Pranx.com
                                                                                                                                                                                                                                                                                                                                                                   While Loop
                                                                                                                                                                                    function addNumbers(a, b) {
return a + b; ;
                                                                                                                                                                                                                                                                                                                                                                   x = addNumbers(1, 2);
                                                                                                                                                                                  Edit DOM element
                                                                                                                                                                                               ment.getElementById("elementID").innerHTML = "Hello World!";
                                                                                                                                                                                                                                                                                                                                                                   Do While Loop
                                                                                                                                                                                                                                                                                                                                                                   If - Else 🎜
   if ((age >= 14) && (age < 19)) { // logical condition status = "Eligible."; // executed if condition is t } else { // else block is optional status = "Not eligible."; // executed if condition is f.

        Break
        for (var i = 0; i < 10; i++) {</td>
        {

        if (i == 5) { break; }
        // stops and exits the cycle

        document.write(i + ", ");
        // last output number is 4

                                                                                                                                                                                   Comments
/* Multi line
comment */
// One line
  switch (new Date().getDay()) {
case 6:
          text = "Saturday";
          break;
case 0:
                                                                                                                                                                                                                                                                                                                                                                   for (var i = 0; i < 10; i++) {
  if (i == 5) { continue; }
  document.write(i + ", ");</pre>
                                                                                                                                                                                                                                                                                                                                                                                                                                               // skips the rest of the cycle // skips 5
                                                                               // if (day == 0)
                                                                                                                                                                                       Variables x
   case 0:
          text = "Sunday";
          break;
default:
     text = "Whatever";
                                                                                                                                                                                                                                                              // variable
// string
// = "Mi Joe"
// = "33"
// array
// boolean
// RegEx
// function object
// constant
// one line
// block scope local variable
                                                                                                                                                                                   var a;
var b = "init";
var c = "Hi" + " "
                                                                                                                                                                               // else...
                                                                                                                                                                                                                                                                                                                                                                      Ads Ø
     Data Types R
   var age - 18;

var name = "3ane";

// number

// string

var name = (first."Jane", last."Doe");

var truth = false;

var truth = false;

var sheets = (FINML", CSS", "JS");

var a y typeof a;

var a = mull;

// value null
                                                                                                                                                                                   "use strict"; // Use strict mode to write secure code x = 1; // Throws an error because variable is not declar
  Objects
                                                                                                                                                                                   false, true // boolean 18, 3.14, 0b10011, 0xF6, NaN // number "flower", 'John' // string undefined, null , Infinity // special
   // object name
// list of properties and values
                                                                                                                                                                                  Operators
                                                                                                                                                                                  a = b + c - d; // addition, substraction

a = b * (c / d); // multiplication, division

x = 100 \% 48; // modulo. 100 / 48 remainder

a+i; b--j // postfix increment and decre
                                                                                                                                                                                                                                                                                                                                                                                                                               Just prany Brol
   Bitwise operators
                                                                                                                                                                                  | AND | 5 & 1 (0101 & 0001) | 1 (1) |
| OR | 5 | 1 (0101 | 0001) | 5 (101) |
| OR | 5 | 1 (0101 | 10001) | 5 (101) |
| OR | 5 | 1 (0101 | 0001) | 4 (100) |
| A | XOR | 5 ^ 1 (0101 ^ 0001) | 4 (100) |
| C | left shift | 5 << 1 (0101 >< 1) | 2 (10) |
| >>> | zero fill right shift | 5 >>> 1 (0101 >>> 1) | 2 (10) |
      Strings 8
  var abc - "abcdefghijhimopqratuvwxyz";

var esc - "i don't in kmow'; // 'n new line

var len - abc.length;

abc.latindexof("limo");

abc.latindexof("limo");

abc.latindexof("limo");

// cuts out "de

abc.licopac("abc","123");

// convert to u

abc.toOpperCase();

// convert to 1

abc.toOpperCase();

// convert to 1

abc.conact(", "st2);

// abc. 'marcter abc[2];

// character abc[2];

// character abc[2];

// character abc]

// convert out

abc.dat(2);

// character abc[2];

// character abc[2];

// character abc]
                                                                               // In new line
// string length
// find substring, -l if doesn't
// last occurance
// cuts out "def", negative value
// find and replace, takes regula
// convert to lower case
// abc + " " + str2
// character at index: "c"
// unsafe, abc[2] "C" doesn't w
// character code at index: "c"
// splitting a string on commas g
// splitting on characters
// number to hex[16], octal (8) o
                                                                                                                                                                                                                                 / grouping
// member
// member
// member
// logical not
// not equal
// type (number, object, function...)
// minary shifting
// assignment
// equals
// strict equal
// strict equal
// strict unequal
// less and greater than
// less or equal, greater or eq
// a = a + b (works with - * %...)
// logical or
                                                                                                                                                                                  Arithmetic
                                                                                                                                                                                  a * (b + c)
person.age
person[age]
!(a == b)
a != b
                                                                                                                                                                                                                                                                                                                                                                      Events ①
                                                                                                                                                                                                                                                                                                                                                                   <br/>
<br/>
Click here<br/>
</button>
    abc.split(",");
abc.split("");
abc.split("");
128.toString(16);
                                                                                                                                                                                                                                                                                                                                                                                                          "myFunction();">
                                                                                                                                                                                                                                                                                                                                                                   <u>onclick</u>, oncontextmenu, ondblclick, onmousedown, onmouseenter, onmouseleave, onmousemove, <u>onmouseover</u>, <u>onmouseout</u>, onmouseup
      Numbers and Math \Sigma
 ver pi = 3.1d1;
pi.tolived(0);
pi.tolived(0);
pi.tolived(2);
pi.to
                                                                                                                                                                                                                                                                                                                                                                   onkeydown, onkeypress, onkeyup
                                                                                                                                                                                       Dates 🗟
                                                                                                                                                                                                                                                                                                                                                                   onabort, onbeforeunload, onerror, onhashchange, <u>onload</u>, onpageshow, onpagehide, onresize, onscroll, onunload
                                                                                                                                                                                    Mon Nov 14 2022 07:52:57 GMT+0000 (Coordinated Universal Time) var d = new Date();
                                                                                                                                                                                                                                                                                                                                                                  Form
                                                                                                                                                                                     1668412377350 miliseconds passed since 1970
                                                                                                                                                                                                                                                                                                                                                                   onblur, <u>onchange</u>, onfocus, onfocusin, onfocusout, oninput, oninvalid, onreset, onsearch, onselect, onsubmit
                                                                                                                                                                                  Drag
                                                                                                                                                                                                                                                                                                                                                                   ondrag, ondragend, ondragenter, ondragleave, ondragover, ondragstart, ondrop
   Math.
 oncopy, oncut, onpaste
                                                                                                                                                                                  Get Times
                                                                                                                                                                                   var d = new Date();
a = d.getDay();  // getting the weekday
                                                                                                                                                                                                                                                                                                                                                                   onabort, oncanplay, oncanplaythrough, ondurationchange, onended, onerro 
onloadeddata, onloadedmetadata, onloadstart, onpause, onplay, onplaying, 
onprogress, ornatechange, onseeked, onseeking, onstalled, onsuspend, 
ontimeupdate, onvolumechange, onwalting
                                                                                                                                                                                   getDate();
getDay();
getFullYear();
getBours();
getMilliseconds();
getMinutes();
                                                                                                                                                                                                                                 // day as a number (1-31)
// weekday as a number (0-6
// four digit year (yyyy)
// hour (0-23)
// milliseconds (0-999)
// minutes (0-59)
// month (0-11)
// seconds (0-59)
// milliseconds since 1970
                                                                                                                                                                                                                                                                                                                                                                   animationend, animationiteration, animationstart
                                                                                                                                                                                                                                                                                                                                                                   Miscellaneous
                                                                                                                                                                                                                                                                                                                                                                   transitionend, onmessage, onmousewheel, ononline, onoffline, onpopstate, onshow, onstorage, ontoggle, onwheel, ontouchcancel, ontouchend, ontouchmove, ontouchstart
                                                                                                                                                                                   Setting part of a date
  Constants like Math.PI:
E, PI, SQRT2, SQRT1_2, LN2, LN10, LOG2E, Log10E
                                                                                                                                                                                   var d = new Date();
d.setDate(d.getDate() + 7); // adds a week to a date
                                                                                                                                                                                                                                                                                                                                                                      Arrays =
                                                                                                                                                                                   var dogs = ["Bulldog", "Beagle", "Labrador"];
var dogs = new Array("Bulldog", "Beagle", "Labrador"); // declar
     Global Functions ()
                                                                                                                                                                                                                                                                                                                                                                   ms()

// executes a string as if it was scr

// exture string from number
// exture string from number
// return string from number
// return number from string
// decode URI. Result: "mytpage.asp"
// decode a URI component
// decode a URI component
// is variable a finite, legal number
// is variable a finite, legal number
// returns floating point number of st
// parses a string and returns an inte
    eval();
String(23);
(23).toString();
                                                                                                                                                                                                                                                                                                                                                                    (23): tostring()
Number("23");
decodeURI(enc);
encodeURI(uri);
decodeURIComponent(enc);
encodeURIComponent(uri);
isFinite();
isFinite();
                                                                                                                                                                                                                                                                                                                                                                  Methods
                                                                                                                                                                                                                                                                                                                                                                 Regular Expressions \n
                                                                                                                                                                                  var a = str.search(/CheatSheet/i);
   isNaN();
parseFloat();
parseInt();
                                                                                                                                                                                                                             perform case-insensitive matching
perform a global match
perform multiline matching
      Ads Ø
                                                                                                                                                                                   Patterns
                                                                                                                                                                                                                            Escape character find a digit find a whitespace character find whitespace character find match at beginning or end of a word contains at least one n contains zero or more occurrences of n contains zero or none occurrences of n Start of string End of string find the Unicode character Ann vibralle character
                                                                                                                                                                                                                                                                                                                                                                   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 A

JSON i



Useful Links ← JS cleaner Obfuscator Can I use?

Node.js jQuery RegEx tester

```
try {
undefinedFunction();
                                                                                                                                                                                                                                // block of code to try
       catch(err) {
console.log(err.message);
x = Number(x);
if(x > 10) throw "too high";
    } finally {
document.write("</br />Done");
    Perror name values

RangeError
ReferenceError
SyntaxError
A place of A syntax error
A syntax err
```

```
Send

Var myDbj = { "name","Jare", "age":18, "city":"Chicage
var myJSON = 1500. setting(feyObj);
window.location = "demo.php?x=" = myJSON;

Storing and retrieving

wObbj = { "name","Jare", "age":18, "city":"Chicage" | j
 Promises Þ _
   function sum (a, b) {
    return Promise(function (resolve, reject) {
    setTimmout(function () {
        ii (typeof a != "number" | | typeof b !== "number") {
            return reject(new TypeEcror("inputs must be numbers"));
        }
}
        resolve(a + b);
 )
var myPromise = sum(10, 5);
myPromise.then(function (result) {
document.write("10 + 5: ", result);
return sum(null, "foo");
).then(function () {
// Won't be called becaus
)).catch(function (err) {
// The catch handler is console.expre(err);
// ">
** Please provide two nu
  pending, fulfilled, rejected
  Promise.length, Promise.prototype
  Promise.all(iterable), Promise.race(iterable), Promise.reject(reason). 
Promise.resolve(value)
```

Online Interactive JavaScript (JS) Cheat Sheet

JavaScript Cheat Seet contains useful code examples on a single page. This is not just a PDF page becase it's interactive! Find code for JS loops, variables, objects, data types, strings, events and many other categories. Copy-paste the code you need or just quickly check the JS syntax for your projects.

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

- Basics Introduction to JavaScript syntax. 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.
- Strings 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.

Bookmark this JavaScript cheat sheet with Ctrl + D!