



```
Basics ➤
                                                                                                                                 Loops ◆
                                                               On page script
                                                                                                                               For Loop
  Ads 📣
                                                                        ≐--pe="text/javascript"> ...
                                                                                                                               for (var i = 0; i < 10; i++)
                                                                                                                               document.write(i + ": " + i*3
                                                                          nal JS file
                                                                                                                               for (var i = \theta; i < a.length;
                                                                          c="filename.js"></script>
                                                                                                                               sum + = a[i]:
                                                                                                                                               // parsing an
                                                                          and timeout
                                                                                                                               html = "";
                                                                          (function () {
                                                                                                                               for (var i of custOrder) {
                                                                                                                               html += "" + i + "";
                                                                                                                               While Loop
                                                                          ddNumbers(a, b) {
                                                                                                                               var i = 1;
                                                                          b; ;
                                                                                                                               while (i < 100) {
                                                                                                                               i *= 2:
                                                                          bers(1, 2);
                                                                                                                               document.write(i + ", ");
                                                                          ment
                                                               document.getElementById("elementID").innerHTML = "Hello Wor Do While Loop
                                                                                                                               var i = 1:
 If - Else $\frac{1}{2}
                                                                                                                               i *= 2;
                                                                                             // write to the browser console
                                                                        log(a);
                                                                                                                               document.write(i + ".
                                                                                             // write to the HTML
                                                                          rite(a);
if ((age >= 14) && (age < 19)) {
                                         // logical condition
                                                                                                                               } while (i < 100)
                                                                                             // output in an alert box
status = "Eligible.";
                                      // executed if condition is true
                                                                          eally?");
                                                                                             // yes/no dialog, returns true/
                                         // else block is optional
} else {
                                                                                             // input dialog. Second argument
                                                                          ur age?","0");
status = "Not eligible.";
                                      // executed if condition is false
                                                                                                                               for (var i = 0; i < 10; i++)
                                                                                                                               if (i == 5) { break; }
document.write(i + ", "
Switch Statement
                                                                          ine
                                                                                                                               }
switch (new Date().getDay()) {
                                     // input is current day
                                 // if (day == 6)
case 6:
                                                                                                                               Continue
        text = "Saturday";
                                                                                                                               for (var i = 0; i < 10; i++)
        break;
                                                                                                                               if (i == 5) { continue; }
                                 // if (day == 0)
case \theta:
                                                                 Variables x
                                                                                                                               document.write(i + ",
        text = "Sunday";
        break;
                                                                                                 // variable
default:
                                 // else...
                                                               var b = "init";
                                                                                                 // string
        text = "Whatever";
                                                               var c = "Hi" + " " + "Joe";
                                                                                                 // = "Hi Joe"
                                                               var d = 1 + 2 + "3";
                                                                                                 // = "33"
                                                                                                                                 Ads 📣
                                                               var e = [2,3,5,8];
                                                                                                 // array
                                                               var f = false;
                                                                                                 // boolean
                                                                                                 // RegEx
                                                               var g = /()/;
 Data Types R
                                                               var h = function(){};
                                                                                                 // function object
                                                                          3.14;
                                                                                                 // constant
                                         // number
var age = 18;
                                                                          b = 2, c = a + b;
                                                                                                 // one line
var name = "Jane";
                                          // string
                                                                                                 // block scope local variab
                                                                          zz';
var name = {first:"Jane", last:"Doe"};
                                         // object
var truth = false;
                                         // boolean
var sheets = ["HTML", "CSS", "JS"];
                                         // arrav
                                                                               // Use strict mode to write secure code
                                         // undefined
var a; typeof a;
                                                                                // Throws an error because variable is not o
                                         // value null
var a = null;
Objects
                                                                                                 // boolean
var student = {
                                 // object name
                                                                          9b10011, 0xF6, NaN
                                                                                                 // number
firstName: "Jane".
                             // list of properties and values
                                                                                                 // string
                                                                          'John'
lastName:"Doe",
                                                                          null , Infinity
                                                                                                 // special
age: 18,
height: 170.
                             // object function
fullName : function() {
                                                                                    // addition, substraction
                                                                          - d:
   return this.firstName + " " + this.lastName;
                                                                          / d);
                                                                                    // multiplication, division
                                                                                    // modulo. 100 / 48 remainder = 4
                                                                          48;
};
                                                                                    // postfix increment and decrement
student.age = 19;
                             // setting value
student[age]++;
                             // incrementing
                                                                          ators
name = student.fullName(); // call object function
                                                                                      5 & 1 (0101 & 0001) 1 (1)
                                                                    OR
                                                                                     5 | 1 (0101 | 0001)
                                                                                                         5 (101)
                                                                    NOT
                                                                                                         10 (1010)
                                                                                      ~ 5 (~0101)
                                                                                     5 ^ 1 (0101 ^ 0001)
                                                                     XOR
                                                                                                         4 (100)
  Strings ⊗
                                                                     loft chift
                                                                                     5 << 1 (0101 << 1)
                                                                                                         10 (1010)
                                                                                     5 >> 1 (0101 >> 1)
                                                                                                         2 (10)
var abc = "abcdefghijklmnopqrstuvwxyz";
                                                                          I right shift 5>>> 1 (0101>>> 1) 2 (10)
var esc = 'I don\'t \n know';
                                 // \n new line
var len = abc.length;
                                 // string length
abc.indexOf("lmno");
                                 // find substring, -1 if doesn't conta
abc.lastIndexOf("lmno");
                                 // last occurance
                                                                                    // grouping
abc.slice(3, 6);
                                 // cuts out "def", negative values cou
                                                                                    // member
abc.replace("abc","123");
                                 // find and replace, takes regular exp ]
                                                                                    // member
abc.toUpperCase();
                                 // convert to upper case
                                                                                    // logical not
                                 // convert to lower case
// abc + " " + str2
abc.toLowerCase();
                                                                                    // not equal
abc.concat(" ", str2);
                                                                                    // type (number, object, function...)
abc.charAt(2);
                                 // character at index: "c"
                                                                                    // minary shifting
abc[2];
                                 // unsafe, abc[2] = "C" doesn't work
                                                                                    // assignment
                                                                                                                                 Events (1)
```

```
// character code at index: "c" -> 99
abc.charCodeAt(2):
                                                                                      // equals
                                                                                                                                   <button onclick="myFunction();</pre>
abc.split(",");
abc.split("");
                                  // splitting a string on commas gives
                                                                                      // unequal
                                                                                                                                  Click here
                                  // splitting on characters
                                                                                      // strict equal
                                  // number to hex(16), octal (8) or bir
                                                                                                                                  </button>
                                                                                      // strict unequal
128. toString(16);
                                                                 a < b
                                                                         a > b
                                                                                      // less and greater than
                                                                 a \le b a >= b
                                                                                      // less or equal, greater or eq
                                                                                                                                  onclick, oncontextmenu, ondblclick, c
  Numbers and Math \Sigma
                                                                 a += b
                                                                                      // a = a + b (works with - * %...)
                                                                                                                                  onmousemove, onmouseover, onmo
                                                                                      // logical and
                                                                                      // logical or
var pi = 3.141;
pi.toFixed(0);
                         // returns 3
                                                                                                                                  onkeydown, onkeypress, onkeyup
pi.toFixed(2);
                         // returns 3.14 - for working with money
pi.toPrecision(2)
                         // returns 3.1
                                                                                                                                  Frame
                                                                   Dates 77
pi.valueOf();
                         // returns number
                                                                                                                                              eforeunload, onerror, on
Number(true);
                         // converts to number
                                                                                                                                             scroll, onunload
                                                                 Thu Feb 03 2022 21:06:24 GMT-0500 (Eastern Standard Time)
Number(new Date())
                         // number of milliseconds since 1970
                                                                 var d = new Date();
parseInt("3 months");
                         // returns the first number: 3
                                                                 1643940384565 miliseconds passed since 1970
parseFloat("3.5 days"); // returns 3.5
                                                                                                                                             ange, onfocus, onfocusir
Number.MAX_VALUE
                                                                 Number(d)
                         // largest possible JS number
                                                                                                                                              select, onsubmit
Number.MIN VALUE
                         // smallest possible JS number
                                                                 Date("2017-06-23");
                                                                                                        // date declaration
Number.NEGATIVE INFINITY// -Infinity
                                                                 Date("2017");
                                                                                                        // is set to Jan 01
Number.POSITIVE_INFINITY// Infinity
                                                                 Date("2017-06-23T12:00:00-09:45");
                                                                                                       // date - time YYYY-MM-DDTHH:MM:SS agend, ondragenter, onc
                                                                                                        // long date format
                                                                 Date("June 23 2017");
Math.
                                                                 Date("Jun 23 2017 07:45:00 GMT+0100 (Tokyo Time)"); // time zone
var pi = Math.PI;
                         // 3.141592653589793
                                                                                                                                              ıt, onpaste
Math.round(4.4);
                         // = 4 - rounded
                         // = 5
Math.round(4.5);
                                                                 var d = new Date();
Math.pow(2,8);
                          // = 256 - 2 to the power of 8
                                                                 a = d.getDay();
                                                                                      // getting the weekday
                                                                                                                                             anplay, oncanplaythroug
Math.sqrt(49);
                          // = 7 - square root
                                                                                                                                             a, onloadedmetadata, or
                                                                                                                                             onratechange, onseeked
Math.abs(-3.14);
                          // = 3.14 - absolute, positive value getDate();
                                                                                      // day as a number (1-31)
                                                                                                                                             inge, onwaiting
Math.ceil(3.14);
                          // = 4 - rounded up
                                                                                      // weekday as a number (0-6)
                                                                 getDay();
Math.floor(3,99):
                          // = 3 - rounded down
                                                                 getFullYear();
                                                                                      // four digit year (yyyy)
Math.sin(0);
                          // = 0 - sine
                                                                 getHours();
                                                                                      // hour (0-23)
                                                                                                                                             d, animationiteration, ani
Math.cos(Math.PI);
                         // OTHERS: tan,atan,asin,acos,
                                                                 getMilliseconds();
                                                                                      // milliseconds (0-999)
Math.min(\theta, 3, -2, 2); // = -2 - the lowest value
                                                                                      // minutes (0-59)
                                                                 getMinutes();
\mathsf{Math.max}(0, 3, -2, 2);
                         // = 3 - the highest value
                                                                 getMonth();
                                                                                      // month (0-11)
                                                                                                                                              onmessage, onmousev
Math.log(1);
                         // = 0 natural logarithm
                                                                 getSeconds();
                                                                                      // seconds (0-59)
                                                                                                                                              ntoggle, onwheel, ontouc
Math.exp(1);
                         // = 2.7182pow(E,x)
                                                                 getTime();
                                                                                      // milliseconds since 1970
Math.random();
                         // random number between 0 and 1
                                                                 Setting part of a date
Math.floor(Math.random() * 5) + 1; // random integer, from
                                                                 var d = new Date();
Constants like Math.PI:
                                                                 d.setDate(d.getDate() + 7); // adds a week to a date
E, PI, SQRT2, SQRT1_2, LN2, LN10, LOG2E, Log10E
                                                                 setDate();
                                                                                      // day as a number (1-31)
                                                                 setFullYear():
                                                                                      // year (optionally month and day)
                                                                                                                                     Arrays ≡
                                                                 setHours():
                                                                                      // hour (0-23)
  Global Functions ()
                                                                 setMilliseconds():
                                                                                      // milliseconds (0-999)
                                                                                                                                  var dogs = ["Bulldog", "Beagle
                                                                                      // minutes (0-59)
                                                                            ();
                                                                                                                                  var dogs = new Array("Bulldog")
eval();
                              // executes a string as if it was script (
                                                                                      // month (0-11)
String(23);
                              // return string from number
                                                                            ();
                                                                                      // seconds (0-59)
                                                                                                                                  alert(dogs[1]);
(23).toString();
                              // return string from number
                                                                                      // milliseconds since 1970)
                                                                                                                                  dogs[θ] = "Bull Terier";
Number("23");
                              // return number from string
decodeURI(enc);
                              // decode URI. Result: "my page.asp"
                                                                                                                                  for (var i = 0; i < dogs.length
encodeURI(uri);
                              // encode URI. Result: "my%page.asp
                                                                                                                                  console.log(dogs[i]);
                                                                   Regular Expressions \n
decodeURIComponent(enc);
                              // decode a URI component
encodeURIComponent(uri);
                              // encode a URI component
                              // is variable a finite, legal | var a = str.search(/CheatSheet/i);
isFinite();
                              // is variable an illegal number
isNaN();
                                                                                                                                              ing();
parseFloat();
                              // returns floating point number
                                                                 Modifiers
parseInt();
                              // parses a string and returns a
                                                                                    perform case-insensitive matching
                                                                                    perform a global match
                                                                                                                                              "Chihuahua");
                                                                                    perform multiline matching
                                                                 m
                                                                                                                                             Length] = "Chihuahua
                                                                                                                                             ();
  Ads 📣
                                                                 Patterns
                                                                                                                                             ft("Chihuahua");
                                                                                    Escape character
                                                                                                                                             s[0];
                                                                                    find a digit
                                                                                                                                             e(2, 0, "Pug", "Box€
                                                                                    find a whitespace character
                                                                                                                                             s = dogs.concat(cats
                                                                                    find match at beginning or end of a word
                                                                                                                                             (1,4);
                                                                                    contains at least one n
                                                                                    contains zero or more occurrences of n
                                                                                                                                             ):
                                                                                    contains zero or one occurrences of n
                                                                                                                                             se():
                                                                                                                                             ction(a, b){return a
                                                                                    Start of string
                                                                                    End of string
                                                                                                                                             ction(a, b){return |
                                                                                    find the Unicode character
                                                                                                                                             κ[0];
                                                                                    Any single character
                                                                                                                                             ction(a, b){return (
                                                                                    a or b
                                                                                    Group section
                                                                                                                                             Within, every, fill, filter, fi
                                                                                    In range (a, b or c)
                                                                                                                                             map, pop, push, reduce,
                                                                   Errors △
                                                                                    any of the digits between the brackets
                                                                                                                                              ng, unshift, valueOf
                                                                 try {
                                                                                                   // block of code to try
                                                                 undefinedFunction();
                                                                 catch(err) {
                                                                                                   // block to handle errors
                                                                                                                                     JSON j
                                                                 console.log(err.message);
                                                                                                                                  var str = '{"names":[' +
                                                                                                                                   {"first":"Hakuna","lastN":"Ma
                                                                 Throw error
                                                                                                                                   '{"first":"Jane","lastN":"Doe'
'{"first":"Air","last":"Jordar
                                                                 throw "My error message";
                                                                                                // throw a text
                                                                                                                                  obj = JSON.parse(str);
                                                                 Input validation
                                                                                                                                  document.write(obj.names[1].fi
                                                                 var x = document.getElementById("mynum").value; // get input
                                                                 try {
                                                                 if(x == "") throw "empty";
                                                                                                                // error cases
```

JavaScript (JS) Cheat Sheet Online

```
var my0bj = { "name":"Jane", '
var myJSON = JSON.stringify(m)
if(isNaN(x)) throw "not a number";
x = Number(x);
if(x > 10)
               throw "too high";
                                                                         window.location = "demo.php?x=
                                                                         Storing and retrieving
                                                         // if there
catch(err) {
                                                    // output error myObj = { "name":"Jane", "age'
// write the err myJSON = JSON.stringify(myObj)
document.write("Input is " + err);
console.error(err);
                                                                         localStorage.setItem("testJSON")
finally {
                                                                         text = localStorage.getItem("1
document.write("</br />Done");
                                                    // executed rega obj = JSON.parse(text);
                                                                         document.write(obj.name);
```

Promises Þ

```
function sum (a, b) {
                                                                              ror
return Promise(function (resolve, reject) {
 setTimeout(function () {
                                                                      // ser
   if (typeof a !== "number" || typeof b !== "number") {
                                                                      // tes
          return reject(new TypeError("Inputs must be numbers"));
   resolve(a + b);
 }, 1000);
});
var mvPromise = sum(10, 5):
myPromsise.then(function (result) {
document.write(" 10 + 5: ", result);
return sum(null, "foo");
                                         // Invalid data and return anoth
}).then(function () {
                                            // Won't be called because of
                                            // The catch handler is called
}).catch(function (err) {
                                          // => Please provide two numbers
console.error(err);
});
pending, fulfilled, rejected
Properties
Promise.length, Promise.prototype
Methods
Promise.all(iterable), Promise.race(iterable), Promise.reject(reason),
Promise.resolve(value)
```

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

Error name values

Useful Links ←

JS cleaner Obfuscat jQuery

HTML Cheat Sheet is using cookies. | PDF | Terms and Conditions, Privacy Policy © HTMLCheatSheet.com