

## Attributes 🔗

**SYNTAX** 

```
<tag attributename="value" />
- lowecase attributes, quote values
Global attributes
accesskey, class, contenteditable, data-*, dir, draggable,
hidden, id, lang, spellcheck, style, tabindex, title
<div id="demo" class="big" dir="ltr" lang="en"
style="color: red;" tabindex="0" title="Tooltip"
contenteditable="true" spellcheck="true"
data-htmlcheat="99">Hello World!</div>
Internationalization: dir, lang, xml:lang
<html Lang="en-US">
     Right to left (Arabic)
. . .
</html>
Link: download, href, hreflang, media, rel, target, type
<a href="https://htmlg.com/" target="_blank" rel="e
    Link
</a>
Image: src, alt, height, ismap, longdesc, src, srcset,
usemap, width
<img src="/demo.jpg" alt="description"</pre>
height="48" width="100" Longdesc="desc.txt" />
All attributes
accept
 form, input
accept-charset
 form
accesskey
 Global attribute
action
 form
align
 applet, caption, col, colgroup, hr, iframe,
 img, table, tbody, td, tfoot , th, thead, tr
alt
 applet, area, img, input
async
 script
autocomplete
 form, input
autofocus
 button, input, keygen, select, textarea
autoplay
```

# Head Tags 😵

## Tags 🗇

```
Div Section
<div>Block element</div>
Headings
<h1>Page title</h1>
<h2>Subheading</h2>
<h3>Tertiary heading</h3>
<h4>Quaternary heading</h4>
Paragraph
text
Image
<img src="/demo.jpg" alt="description" height="48"</pre>
Outbound Link
Get your online assignment help at Copycrafter
professional writing service.
<a href="https://htmlg.com/" target="_blank" rel='
Mailto link
<a href="mailto:me@ruwix.com?Subject=Hi%20mate" to
Inner anchor (jump on page)
<a href="#footer">Jump to footnote</a>
<br />
<a name="footer"></a>Footnote content
Bold text
<strong>Bold text</strong>
Italic text
<em>Italic text</em>
Underlined text
<span style="text-decoration: underline;">Underline;">Underline;">Underline;">Underline;">Underline;">Underline;">Underline;">Underline;
<iframe src="link.html" width="200" height="200</pre>
</iframe>
Abbreviation
<abbr title="Hypertext Markup Language">HTML</abbr
Comment
<!-- HTML
Comment -->
Horizontal Line
<hr />
Line break
<br />
Quotation
<q>Success is a journey not a destination.</q>
```

```
<meta name="viewport" content="width=device-wid")</pre>
    <link rel="canonical" href="https://htmlcheatsh</pre>
    <title>HTML CheatSheet</title>
    <meta name="description" content="A brief page</pre>
    <meta name="keywords" content="html,cheatsheet"</pre>
    <meta property="fb:admins" content="YourFaceboo</pre>
    <meta property="og:title" content="HTML CheatSh</pre>
    <meta property="og:type" content="website" />
    <meta property="og:url" content="https://htmlch</pre>
    <meta property="og:image" content="https://html</pre>
    <meta property="og:description" content="A brie</pre>
    <link rel="apple-touch-icon" href="apple-touch-</pre>
    <link rel="alternate" hreflang="es" href="https</pre>
    <link rel="stylesheet" href="/styles.css">
    <script src="/script.js"></script>
</head>
```

## HTML5 Page Structure 😭

```
header, nav, main, article, section, aside, footer, address
<header>
    <div id="logo">HTML</div>
    <nav>
        <u1>
            <a href="/">Home</a>
            <a href="/link">Page</a>
        </nav>
</header>
<main role="main">
    <article>
       <h2>Title 1</h2>
        Content 1
    </article>
    <article>
       <h2>Title 2</h2>
       Content 2
    </article>
</main>
<section>
   A group of related content
</section>
<aside>
    Sidehar
</aside>
<footer>
    © HTML CheatSheet
    <address>
       Contact <a href="mailto:me@htmlg.com">me</a</pre>
    </address>
</footer>
```

**Free HTML Templates** 

# Color Picker 8

```
CE5937

1
color: #CE5937; Text color
background-color:#CE5937; Background
border: 3px solid #CE5937; Box border
```

## Structures 🏗

```
Table
<caption>Phone numbers</caption>
  <thead>
     <
       Name
       Phone
     </thead>
  John
       577854
       577855
     Jack
       577856
       577857
     <tfoot>
     <
        
       Personal
       Office
     </tfoot>
Unordered list
 First
 Second
 Third
Definition list
<d1>
 <dt>HTML</dt>
 <dd>Hypertext Markup Language</dd>
 <dt>CSS</dt>
 <dd>Cascading Style Sheets </dd>
</dl>
Form
```

<form action="/action.php" method="post">

Name: <input name="name" type="text" /> <br /:

Text shadow text-shadow: 1px 2px 2px #C box-shadow: 2px 2px 7px 1p> Box shadow Characters 無 â ã å & á à ä < **// >>** ¢ Create Image https://

Source: https://
Descriptic
Style:
Width: Height: px ▼

Generate image

```
Age: <input max="99" min="1" name="age" step='
    <select name="gender">
        <option selected="selected" value="male">
        <option value="female">Female</option>
    </select><br />
    <input checked="checked" name="newsletter" ty;</pre>
    <textarea cols="20" name="comments" rows="5">(
    <label><input name="terms" type="checkbox" val
    <input type="submit" value="Submit" />
</form>
  Gibberish text 割
      Lorem ipsum
                            Cupcake ipsum
        Random English
                                 Chinese
                    Spanish
  Create iframe
URL:
        https://
        100
                                 100
Width:
                         Height:
Scrolling Hidden ▼
                                 No ▼
                         Border:
Generate iframe
  Create Table m
        3
                                 3
Cols:
                         Rows:
        0
                                 Not specified ▼
                         Border
Collapse:
Border:
        0
                         Cellpadd 0
Width:
        % ▼
Generate table
                     Div Tables
  Create Link 🙋
URL:
        https://
Text:
Title:
Target:
        Same tab ▼
Generate link
```

# Create List 🗏

List	Unord	lered list	▼			
type:						
Unordere	disc	▼		Ordered:	1. 2. 3.	▼

**Generate list** 



**Download Package** 

## Robots.txt

```
Example
User-agent: *
Disallow: /dont-index-this-folder/
Sitemap: https://htmlcheatsheet.com/sitemap.xml

Ban all robots
User-agent: *
Disallow: /
```

# Open Graph 📉

```
<!doctype html>
<html xmlns:og="http://ogp.me/ns#">
<head>
<title>The Rock (1996)</title>
<meta property="og:title" content="Cheat Sheet" />
<meta property="og:type" content="website" />
<meta property="og:url" content="https://htmlcheats</pre>
<meta property="og:image" content="https://htmlchea</pre>
Optional
<meta property="og:audio" content="https://htmlchea</pre>
<meta property="og:description" content="A brief de
<meta property="og:determiner" content="the" />
<meta property="og:locale" content="en_US" />
<meta property="og:locale:alternate" content="es_ES</pre>
<meta property="og:site_name" content="HTML CheatSh</pre>
<meta property="og:video" content="https://htmlchea</pre>
```

#### Force HTTPS

RewriteEngine on
RewriteCond %{HTTPS} !on
RewriteRule (.\*) https://%{HTTP\_HOST}%{REQUEST\_UR]

#### Force www

RewriteEngine on
RewriteCond %{HTTP\_HOST} ^htmlg\.com [NC]
RewriteRule ^(.\*)\$ http://www.htmlg.com/\$1 [L,R=36]

#### Force non-www

RewriteEngine on
RewriteCond %{HTTP\_HOST} ^www\.htmlg\.com [NC]
RewriteRule ^(.\*)\$ http://htmlg.com/\$1 [L,R=301]

### **Custom Error Pages**

ErrorDocument 500 "Sorry, something went wrong!"
ErrorDocument 401 https://htmlg.com/404/
ErrorDocument 404 404error.html

#### **Redirect Entire Site**

Redirect 301 / https://htmlg.com/

### **Permanent Page Redirect**

Redirect 301 /oldlink.html https://htmlg.com/help, Redirect 301 /oldlink https://htmlg.com/about/

### **Alias Directory**

RewriteEngine On
RewriteRule ^source\_directory/(.\*) target\_director

### Remove .php Extension

RewriteEngine On
RewriteCond %{SCRIPT\_FILENAME} !-d
RewriteRule ^([^.]+)\$ \$1.php [NC,L]

### **Block IP Address**

Order deny,allow Allow from all Deny from 123.123.123.123 Deny from 123.123.123.123

### Allow Access From Only One IP

# Require all denied
# Require ip 123.123.123.123

## Useful Links 🖓

## RGB color codes

Word doc to HTML Div tables
HTML cleaner HTML blog
HTML editor Basic concepts
HTML validator W3 schools

Can I use?



## CSS2 Cheat Sheet

by Dave Child (DaveChild) via cheatography.com/1/cs/14/

CSS2 Selec	ctors
*	All elements
div	<div></div>
div *	All elements within <div></div>
div span	<span> within <div></div></span>
div, span	<div> and <span></span></div>
div > span	<span> with parent <div></div></span>
div + span	<span> preceded by <div></div></span>
.class	Elements of class "class"
div.class	<div> of class "class"</div>
#itemid	Element with id "itemid"
div#itemid	<div> with id "itemid"</div>
a[attr]	<a> with attribute "attr"</a>
a[attr='x']	<a> when "attr" is "x"</a>
a[clas- s~='x']	<a> when class is a list containing 'x'</a>
a[lang ='e n']	<a> when lang begins "en"</a>

CSS2 Pseudo Selectors and Pseu	ıdo
Classes	

:first-child	First child element
:first-line	First line of element
:first-letter	First letter of element
:hover	Element with mouse over
:active	Active element
:focus	Element with focus
:link	Unvisited links
:visited	Visited links
:lang(var)	Element with language "var"
:before	Before element
:after	After element

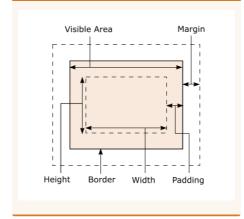
CSS2	? Sizes
0	0 requires no unit
Relat	ive Sizes
em	1em equal to font size of parent (same as 100%)
ex	Height of lower case "x"
%	Percentage
Absol	lute Sizes
рх	Pixels
cm	Centimeters
mm	Millimeters
in	Inches
pt	1pt = 1/72in
рс	1pc = 12pt

#789abc	RGB Hex Notation
#acf	Equates to "#aaccff"
rgb(0,-	Value of each of red, green, and
25.50)	blue, 0 to 255, may be swapped

for percentages.

### CSS2 Box Model

CSS2 Colours



Published 19th October, 2011.

Page 1 of 2.

Last updated 25th February, 2020.

CSS2 Positioning	
display	clear
position	z-index
top	direction
right	unicode-bidi
bottom	overflow
left	clip
float	visibility

CSS2 Dimensions	
width	min-height
min-width	max-height
max-width	vertical-align
height	

CSS2 Colour and B	ackground
color	background-repeat
background	background-image
background-color	background-position
background-attachn	nent

CSS2 Text	
text-indent	word-spacing
text-align	text-transform
text-decoration	white-space
text-shadow	line-height
letter-spacing	

CSS2 Fonts	
font	font-weight
font-family	font-stretch
font-style	font-size
font-variant	font-size-adjust

Sponsored by **Readable.com**Measure your website readability!
https://readable.com





## CSS2 Cheat Sheet by Dave Child (DaveChild) via cheatography.com/1/cs/14/

CSS2 Boxes	
margin	border-color
margin-top	border-top-color
margin-right	border-right-color
margin-bottom	border-bottom-color
margin-left	border-left-color
padding	border-style
padding-top	border-top-style
padding-right	border-right-style
padding-bottom	border-bottom-style
padding-left	border-left-style
border	border-width
border-top	border-top-width
border-bottom	border-right-width
border-right	border-bottom-width
border-left	border-left-width

CSS2 Aural	
volume	elevation
speak	speech-rate
pause	voice-family
pause-before	pitch
pause-after	pitch-range
cue	stress
cue-before	richness
cue-after	speak-punctuation
play-during	speak-numeral
azimuth	

CSS2 Tables	
caption-side	border-spacing
table-layout	empty-cells
border-collapse	speak-header

CSS2 Miscellaneous	
content	list-style-type
quotes	list-style-image
counter-reset	list-style-position
counter-increment	marker-offset
list-style	

CSS2 Paging	
size	page-break-inside
marks	page
page-break-before	orphans
page-break-after	widows

page-break-after	widows
CSS2 Interface	
cursor	outline-style
outline	outline-color



outline-width

By **Dave Child** (DaveChild) cheatography.com/davechild/ aloneonahill.com

Published 19th October, 2011. Last updated 25th February, 2020. Page 2 of 2. Sponsored by **Readable.com**Measure your website readability!
https://readable.com



### Loops ♪

```
For Loop
for (var i = 0; i < 10; i++) {
    document.write(i + ": " + i*3 + "<br />");
}
var sum = 0;
for (var i = 0; i < a.length; i++) {</pre>
    sum + = a[i];
}
                // parsing an array
html = "";
for (var i of custOrder) {
    html += "" + i + "";
}
While Loop
var i = 1;
                                 // initialize
while (i < 100) {
                                // enters the cycle
    i *= 2;
                                // increment to avo
    document.write(i + ", "); // output
}
Do While Loop
var i = 1;
                                 // initialize
do {
                                 // enters cycle at
    i *= 2;
                                 // increment to avo
    document.write(i + ", ");
                                // output
} while (i < 100)</pre>
                                 // repeats cycle if
Break
for (var i = 0; i < 10; i++) {
    if (i == 5) { break; }
                                     // stops and ex
    document.write(i + ", ");
                                     // last output
}
Continue
for (var i = 0; i < 10; i++) {
    if (i == 5) { continue; }
                                     // skips the re
    document.write(i + ", ");
                                    // skips 5
```

### Variables x

```
// variable
var a;
var b = "init";
                                // string
var c = "Hi" + " " + "Joe";
                                // = "Hi Joe"
                                // = "33"
var d = 1 + 2 + "3";
                                // array
var e = [2,3,5,8];
var f = false;
                                 // boolean
var g = /()/;
                                // RegEx
var h = function(){};
                                // function object
const PI = 3.14;
                                // constant
var a = 1, b = 2, c = a + b;
                                // one line
let z = 'zzz';
                                // block scope loca
Strict mode
"use strict";
                // Use strict mode to write secure
x = 1;
                // Throws an error because variable
```

## Basics ➤

```
On page script
<script type="text/javascript"> ...
</script>
Include external JS file
<script src="filename.js"></script>
Delay - 1 second timeout
setTimeout(function () {
}, 1000);
Functions
function addNumbers(a, b) {
    return a + b; ;
x = addNumbers(1, 2);
Edit DOM element
document.getElementById("elementID").innerHTML = '
Output
                            // write to the browse
console.log(a);
document.write(a);
                             // write to the HTML
                            // output in an alert
alert(a);
confirm("Really?");
                            // yes/no dialog, retu
prompt("Your age?","0");
                            // input dialog. Secor
Comments
/* Multi line
   comment */
// One line
```

## If - Else 圿

```
if ((age >= 14) && (age < 19)) {</pre>
                                           // logical
    status = "Eligible.";
                                           // execute
                                           // else bi
} else {
    status = "Not eligible.";
                                           // execute
Switch Statement
switch (new Date().getDay()) {
                                      // input is cu
                                      // if (day ==
    case 6:
        text = "Saturday";
        break;
                                      // if (day ==
    case 0:
        text = "Sunday";
        break;
    default:
                                      // else...
        text = "Whatever";
}
```

### Data Types R

```
var age = 18;  // number
var name = "Jane";  // string
```

```
Values
false, true
                                 // boolean
18, 3.14, 0b10011, 0xF6, NaN
                                 // number
"flower", 'John'
                                 // string
undefined, null, Infinity
                                 // special
Operators
a = b + c - d;
                    // addition, substraction
a = b * (c / d);
                    // multiplication, division
x = 100 \% 48;
                    // modulo. 100 / 48 remainder =
                    // postfix increment and decrem
a++; b--;
Bitwise operators
                       5 & 1 (0101 &
     AND
                                           1 (1)
                      0001)
      OR
                       5 | 1 (0101 | 0001)
                                           5 (101)
                                           10
     NOT
                       ~ 5 (~0101)
                                           (1010)
                       5 ^ 1 (0101 ^ 0001)
Λ
     XOR
                                          4 (100)
                                           10
     left shift
                       5 << 1 (0101 << 1)
<<
                                           (1010)
      right shift
                       5 >> 1 (0101 >> 1)
>>
                                           2 (10)
                       5 >>> 1 (0101 >>>
     zero fill right
                                           2(10)
      shift
Arithmetic
a * (b + c)
                    // grouping
person.age
                    // member
person[age]
                    // member
                    // logical not
!(a == b)
a != b
                    // not equal
                    // type (number, object, functi
typeof a
x \leftrightarrow 2 \quad x \gg 3
                    // minary shifting
a = b
                    // assignment
a == b
                    // equals
a != b
                    // unequal
a === b
                    // strict equal
a !== b
                    // strict unequal
a < b a > b
                    // less and greater than
a <= b \quad a >= b
                    // less or equal, greater or eq
a += b
                    // a = a + b (works with - * %.
a && b
                     // logical and
a Numbers and/Match Son
var pi = 3.141;
pi.toFixed(∅);
                         // returns 3
pi.toFixed(2);
                         // returns 3.14 - for worki
pi.toPrecision(2)
                         // returns 3.1
pi.valueOf();
                         // returns number
Number(true);
                        // converts to number
                        // number of milliseconds s
Number(new Date())
parseInt("3 months");
                        // returns the first number
parseFloat("3.5 days"); // returns 3.5
Number.MAX_VALUE
                         // largest possible JS numb
Number.MIN_VALUE
                         // smallest possible JS num
Number.NEGATIVE_INFINITY// -Infinity
Number.POSITIVE_INFINITY// Infinity
var pi = Math.PI;
                         // 3.141592653589793
Math.round(4.4);
                         // = 4 - rounded
Math.round(4.5);
                         // = 5
Math.pow(2,8);
                        // = 256 - 2 to the power o
Math.sqrt(49);
                        // = 7 - square root
Math.abs(-3.14);
                        // = 3.14 - absolute, posit
Math.ceil(3.14);
                        // = 4 - rounded up
Math.floor(3.99);
                        // = 3 - rounded down
Math.sin(∅);
                        // = 0 - sine
```

```
var name = {first:"Jane", last:"Doe"}; // object
var truth = false;
                                        // boolear
var sheets = ["HTML","CSS","JS"];
                                        // array
var a; typeof a;
                                        // undefin
                                        // value ı
var a = null;
Objects
var student = {
                                // object name
   firstName:"Jane",
                                // list of propert
    lastName:"Doe",
   age:18,
   height: 170,
    fullName : function() {
                               // object function
       return this.firstName + " " + this.lastName
};
                            // setting value
student.age = 19;
student[age]++;
                            // incrementing
name = student.fullName(); // call object function
  Strings ⊗
var abc = "abcdefghijklmnopqrstuvwxyz";
var esc = 'I don\'t \n know'; // \n new line
var len = abc.length;
                                // string length
abc.indexOf("lmno");
                                // find substring
                                // last occurance
abc.lastIndexOf("lmno");
                                // cuts out "def"
abc.slice(3, 6);
abc.replace("abc","123");
                                // find and replac
                                // convert to uppe
abc.toUpperCase();
                                // convert to lowe
abc.toLowerCase();
                                // abc + " " + sti
abc.concat(" ", str2);
                                // character at in
abc.charAt(2);
                                // unsafe, abc[2]
abc[2];
abc.charCodeAt(2);
                                // character code
abc.split(",");
                                // splitting a str
abc.split("");
                                // splitting on cl
                                // number to hex(:
128.toString(16);
  Events 🕖
<button onclick="myFunction();">
  Click here
</button>
Mouse
onclick, oncontextmenu, ondblclick, onmousedown,
onmouseenter, onmouseleave, onmousemove,
onmouseover, onmouseout, onmouseup
Keyboard
onkeydown, onkeypress, onkeyup
```

onabort, onbeforeunload, onerror, onhashchange, onload onpageshow, onpagehide, onresize, onscroll, onunload

oninput, oninvalid, onreset, onsearch, onselect, onsubmir

onblur, onchange, onfocus, onfocusin, onfocusout,

ondrag, ondragend, ondragenter, ondragleave,

ondragover, ondragstart, ondrop

oncopy, oncut, onpaste

Clipboard

```
Math.cos(Math.PI);  // OTHERS: tan,atan,asin,ac
Math.min(0, 3, -2, 2);  // = -2 - the lowest value
Math.max(0, 3, -2, 2);  // = 3 - the highest value
Math.log(1);  // = 0 natural logarithm
Math.exp(1);  // = 2.7182pow(E,x)
Math.random();  // random number between 0
Math.floor(Math.random() * 5) + 1;  // random integ
```

#### Constants like Math.PI:

E, PI, SQRT2, SQRT1\_2, LN2, LN10, LOG2E, Log10E

## Dates 31

```
Mon Feb 17 2020 13:42:03 GMT+0200 (Eastern European
Standard Time)
var d = new Date();
1581939723047 miliseconds passed since 1970
Number(d)
Date("2017-06-23");
                                    // date declara
Date("2017");
                                    // is set to Ja
Date("2017-06-23T12:00:00-09:45"); // date - time
Date("June 23 2017");
                                    // long date fo
Date("Jun 23 2017 07:45:00 GMT+0100 (Tokyo Time)");
Get Times
var d = new Date();
a = d.getDay();
                    // getting the weekday
                    // day as a number (1-31)
getDate();
                    // weekday as a number (0-6)
getDay();
                    // four digit year (yyyy)
getFullYear();
                    // hour (0-23)
getHours();
getMilliseconds(); // milliseconds (0-999)
                    // minutes (0-59)
getMinutes();
                    // month (0-11)
getMonth();
                    // seconds (0-59)
getSeconds();
getTime();
                    // milliseconds since 1970
Setting part of a date
var d = new Date();
d.setDate(d.getDate() + 7); // adds a week to a dat
                    // day as a number (1-31)
setDate();
                    // year (optionally month and d
setFullYear();
                    // hour (0-23)
setHours();
setMilliseconds(); // milliseconds (0-999)
                    // minutes (0-59)
setMinutes();
setMonth();
                    // month (0-11)
setSeconds();
                    // seconds (0-59)
setTime();
                    // milliseconds since 1970)
```

## Global Functions ()

```
eval();
                            // executes a string as
String(23);
                            // return string from n
(23).toString();
                            // return string from n
Number("23");
                            // return number from s
decodeURI(enc);
                            // decode URI. Result:
encodeURI(uri);
                            // encode URI. Result:
decodeURIComponent(enc);
                            // decode a URI compone
encodeURIComponent(uri);
                            // encode a URI compone
isFinite();
                            // is variable a finite
isNaN();
                            // is variable an illeg
parseFloat();
                            // returns floating poi
parseInt();
                            // parses a string and
```

#### Media

onabort, oncanplay, oncanplaythrough, ondurationchangonended, onerror, onloadeddata, onloadedmetadata, onloadstart, onpause, onplay, onplaying, onprogress, onratechange, onseeked, onseeking, onstalled, onsuspend, ontimeupdate, onvolumechange, onwaiting

#### Animation

animationend, animationiteration, animationstart

#### Miscellaneous

transitionend, onmessage, onmousewheel, ononline, onoffline, onpopstate, onshow, onstorage, ontoggle, onwheel, ontouchcancel, ontouchend, ontouchmove, ontouchstart

## Arrays ≡

```
var dogs = ["Bulldog", "Beagle", "Labrador"];
var dogs = new Array("Bulldog", "Beagle", "Labradog")
                             // access value at inc
alert(dogs[1]);
dogs[0] = "Bull Terier";
                             // change the first it
for (var i = 0; i < dogs.length; i++) {</pre>
                                              // pai
    console.log(dogs[i]);
}
Methods
dogs.toString();
                                          // convert
dogs.join(" * ");
                                          // join: '
dogs.pop();
                                          // remove
dogs.push("Chihuahua");
                                          // add nev
dogs[dogs.length] = "Chihuahua";
                                          // the sar
dogs.shift();
                                          // remove
dogs.unshift("Chihuahua");
                                          // add nei
delete dogs[0];
                                          // change
dogs.splice(2, 0, "Pug", "Boxer");
                                          // add ele
var animals = dogs.concat(cats,birds);
                                          // join to
dogs.slice(1,4);
                                          // element
dogs.sort();
                                          // sort st
dogs.reverse();
                                          // sort st
x.sort(function(a, b){return a - b});
                                          // numerio
x.sort(function(a, b){return b - a});
                                          // numerio
highest = x[\theta];
                                          // first :
x.sort(function(a, b){return 0.5 - Math.random()}
```

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

## Regular Expressions \n

```
var a = str.search(/CheatSheet/i);
Modifiers
                     perform case-insensitive matching
i
                     perform a global match
g
                     perform multiline matching
m
Patterns
                     Escape character
\d
                     find a digit
15
                     find a whitespace character
\b
find match at beginning or end of a word
```

## Errors ∧

```
// block of code to
try {
    undefinedFunction();
}
catch(err) {
                                 // block to handle
    console.log(err.message);
Throw error
throw "My error message";
                              // throw a text
Input validation
var x = document.getElementById("mynum").value; //
try {
    if(x == "") throw "empty";
    if(isNaN(x)) throw "not a number";
    x = Number(x);
    if(x > 10)
                throw "too high";
}
catch(err) {
                                                  //
    document.write("Input is " + err);
                                                  //
    console.error(err);
}
finally {
    document.write("</br />Done");
}
```

#### Error name values

RangeError ReferenceError SyntaxError TypeError URIError 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

Useful Links ←

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

```
n+ contains at least one n

n*
contains zero or more occurrences of n

n?
contains zero or one occurrences of n

A Start of string
```

## JSON j

```
var str = '{"names":[' +
                                             // cra
'{"first":"Hakuna","lastN":"Matata" },' +
'{"first":"Jane","lastN":"Doe" },' +
'{"first":"Air","last":"Jordan" }]}';
obj = JSON.parse(str);
                                             // pai
document.write(obj.names[1].first);
                                             // acc
Send
var myObj = { "name":"Jane", "age":18, "city":"Ch:
var myJSON = JSON.stringify(myObj);
window.location = "demo.php?x=" + myJSON;
Storing and retrieving
myObj = { "name":"Jane", "age":18, "city":"Chicago
myJSON = JSON.stringify(myObj);
localStorage.setItem("testJSON", myJSON);
text = localStorage.getItem("testJSON");
                                                 7.
obj = JSON.parse(text);
document.write(obj.name);
```

### Promises Þ

```
function sum (a, b) {
   return Promise(function (resolve, reject) {
     setTimeout(function () {
       if (typeof a !== "number" || typeof b !== '
         return reject(new TypeError("Inputs must
       resolve(a + b);
     }, 1000);
   });
}
var myPromise = sum(10, 5);
myPromsise.then(function (result) {
  document.write(" 10 + 5: ", result);
  return sum(null, "foo");
                                          // Invalid
                                          // Won't I
}).then(function () {
                                          // The cat
}).catch(function (err) {
                                          // => Plea
  console.error(err);
});
States
pending, fulfilled, rejected
Properties
Promise.length, Promise.prototype
```

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