

# Learning Javascript Cheat Sheet

by kelt via cheatography.com/27757/cs/8119/

#### Comments

```
// single line comment
// great place to store your
thoughts
/*
    this is a multi-line comment
    everything in here is ignored
*/
```

#### **Conditions**

```
if (person.favoriteColor === 'red')
{
    // give person a rose
}
else if (person.favoriteColor ===
'blue') {
    // give person a violet
}
else {
    // tell person a poem
```

# Loops

```
var year = 2016;
while (year < 2020)
{
    console.log("Party like it's ",
    year);
    // shorthand for: year = year +
1;
    year++;
}
for (var year = 2016; year < 2020;
year++)
{
    // no need to increment year in
here
    // because it is done in the for
loop
    console.log('...', year);
}</pre>
```

### Scope

```
// Scopes are controlled by
brackets { }
// an outer scope cannot use
variables
// declared inside inner scopes
// but an inner scope can use
variables
// declared in the outer scope
// outside scope
var x = 1;
var y = 2;
var z = 3;
var result;
function testingScope ( z )
  // new variable inside function
scope
  var w = 4;
  // y is scoped to this function
  // doesn't affect outer y
  var y = x;
   // z is a function parameter
  // so it's scope is local to
function
  z = z + w;
  // updating x in outer scope
   x = 2;
 return z; // returns 8
result = testingScope(4);
   w is undefined in outer scope
   x changed to 2
   y is still 2
   z still 3
```

#### Scope (cont)

\*/

# **Keep Learning More**

#### Use cheatsheets & docs

DOM cheat -

https://christianheilmann.com/stuff/JavaScript-

DOM-Cheatsheet.pdf

jQuery cheat - https://oscarotero.com/jquery/

jQuery docs -

http://api.jquery.com/event.pagex/

javascript -

https://www.cheatography.com/davechild/cheat-s

heets/javascript/

quickly code -

http://www.quicklycode.com/tag/javascript

#### **Good Javascript books**

**Eloquent Javascript** 

Javascript the definitive guide

# **Variables**



By **kelt** cheatography.com/kelt/

Published 5th May, 2016. Last updated 5th May, 2016. Page 1 of 3.

result is 8

Sponsored by **Readability-Score.com**Measure your website readability!
https://readability-score.com



# Learning Javascript Cheat Sheet by kelt via cheatography.com/27757/cs/8119/

### Variables (cont)

```
answer + 1;
// 43

duckSays + "quack";
// quack quack

catNames[2];
// zoro

cat.age = 11;
// sets cat age to 11
```

#### Intervals / Timeouts

```
function callMeShirley()
   console.log('Surely, we can
learn Javascript in 20
minutes?!');
}
function dontCallMeShirley()
  console.log('Don't call me
Shirely');
// runs every 1000 milliseconds (1
second)
var interval =
setInterval(callMeShirley, 1000);
// runs once after 5 seconds
var timeout =
setTimeout(dontCallMeShirley,
5000):
```

# **DOM / Document Object Model**

The power to find, remove, replace, clone and create new html inside your web page
Nodes are different little bits and pieces of html
All nodes have a type (we can find it using, node.nodeType)

### **DOM / Document Object Model (cont)**

ATTRIBUTE\_NODE

```
CDATA_SECTION_NODE
COMMENT_NODE
DOCUMENT_NODE
DOCUMENT_FRAGMENT_NODE
ELEMENT_NODE
TEXT_NODE
... and a dozen others omitted ...
Elements are nodes that have a nodeType of
ELEMENT_NODE such as
<div>
>
<a>>
button element node
var button =
document.getElementById('specialBut
ton!):
array of element nodes
var buttons =
document.getElementsByClassName('bu
new element node
var node =
document.createElement('div');
element node type
node.nodeType
cloned element node
var clone = node.cloneNode(true);
```

#### **Functions**

```
function addTogether(x, y)
{
    return x + y;
}
var z = addTogether(1, 2);
```

# Functions (other ways)

```
var addEm = addTogether;
var add = function(x, y)
{
    return x + y;
}
var myObj = {
    add: function(x, y) {
        return x + y;
    }
}
myObj.addEm = addTogether;
```

#### All these functions return 2

```
addTogether(1, 1);
addEm(1, 1);
add(1, 1);
myObj.add(1, 1);
myObj.addEm(1, 1);
```

#### Classes / reusable objects

```
// constructor called for "new
Person"
function Person(name)
{
   this.name = name;
}
// all person's that are created
will have
// this function available
Person.prototype.changeName =
function(newName)
{
   this.name = newName;
}
var person = new Person("Bob");
person.changeName('Sponge');
```



By **kelt** cheatography.com/kelt/

Published 5th May, 2016. Last updated 5th May, 2016. Page 2 of 3. Sponsored by **Readability-Score.com**Measure your website readability!
https://readability-score.com

# Cheatography

# Learning Javascript Cheat Sheet by kelt via cheatography.com/27757/cs/8119/

#### **Events**

```
<button id="clickMe">Surely, You'll
Click Me</button>
var button =
document.getElementById('clickMe');
button.onclick = callMeShirley;
```

Often events are a better alternative than *intervals*. Events are fired only when triggered. *Intervals* happen regardless. In the above example, callMeShirley will only be triggered when the button is clicked.

Here is a list of events

#### **jQuery**

```
// get mouse position without
jQuery
document.onmousemove =
handleMouseMove;
function handleMouseMove(event)
```

```
var dot, eventDoc, doc, body,
pageX, pageY;
  event = event || window.event;
  if (event.pageX == null &&
  event.clientX != null)
  {
     eventDoc = (event.target &&
  event.target.ownerDocument) ||
  document;
     doc =
  eventDoc.documentElement;
     body = eventDoc.body;
     event.pageX = event.clientX +
          (doc && doc.scrollLeft ||
  body && body.scrollLeft || 0) -
```

# jQuery (cont)

```
(doc && doc.clientTop ||
body && body.clientTop || 0 );
}

// get mouse position with jQuery
$('body').on('mousemove',
function(event)
{
   var mousePosition = { x:
event.clientX, y: event.clientY };
});
```

jQuery is a library that can help us when we write javascript for the browser.

As seen in the example above, the jQuery library solves a problem for us. It abstracts away subtle browser inconsistencies for us.

Use jQuery whenever you can to make your code easier

to read, understand and maintain. There are also thousands of jQuery plugins too and you are likely to use some to enhance your website.



By **kelt** cheatography.com/kelt/

(doc && doc.clientLeft ||

event.pageY = event.clientY +
 (doc && doc.scrollTop ||

body && body.clientLeft || 0);

body && body.scrollTop || 0) -

Published 5th May, 2016. Last updated 5th May, 2016. Page 3 of 3. Sponsored by **Readability-Score.com**Measure your website readability!
https://readability-score.com