

JavaScript Cheat Sheet

Javascript basics

Including JavaScript in an HTML Page-
`<script type="text/javascript"> </script>`
Call an External JavaScript File
`<script src="myscript.js"></script><code></code>`

Variables in JS

- var — The most common variable. Can be reassigned but only accessed within function. Variables defined with var move to the top when code is executed.
- const — Can not be reassigned and not accessible before they appear within the code.
- let — Similar to const, however, let variable can be reassigned but not re-declared.

Data Types

Numbers, Variables, Text (strings), Operations, True or false statements, Constant numbers, Objects
var name = {firstName:"John", lastName:"Doe"},
Arrays

Array Methods

concat(), indexOf(), join(), lastIndexOf(), pop(), push(), reverse(), shift(), slice(), sort(), splice(), toString(), unshift(), valueOf()

Operators

Basic Operators: +, -, *, /, (...) —
Grouping operator, operations within brackets are executed earlier than those outside, %, ++, --
Comparison Operators: ==, ===, !=, !==, >, <, >=, <=, ?
Logical Operators: &&, ||, !
Bitwise Operators: &, |, ~, ^, <<, >>, >>>

Outputting Data

alert(), confirm(), console.log(), document.write(), prompt()

Global Functions

decodeURI(), decodeURIComponent(), encodeURI(), encodeURIComponent(), eval(), isFinite(), isNaN(), Number(), parseFloat(), parseInt()

Javascript loops

for (before loop; condition for loop; execute after loop) {
// what to do during the loop
}
for, while, do while, break, continue

String Methods

charAt(), charCodeAt(), concat(), fromCharCode(), indexOf(), lastIndexOf(), match(), replace(), search(), slice(), split(), substr(), substring(), toLowerCase(), toUpperCase(), valueOf()

Number Properties

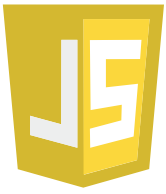
MAX_VALUE, MIN_VALUE, NaN, NEGATIVE_INFINITY, POSITIVE_INFINITY

Number Methods

toExponential(), toFixed(), toPrecision(), toString(), valueOf()

Math Methods

abs(x), acos(x), asin(x), atan(x), ceil(x), cos(x), exp(x), floor(x), log(x), max(x, y, z, ..., n), min(x, y, z, ..., n), pow(x, y), random(), round(x), sin(x), sqrt(x), tan(x)



JavaScript Cheat Sheet

Setting Dates

```
Date(), Date(2017, 5, 21, 3, 23, 10, 0) ,  
Date("2017-06-23") , getDate() , getDay() ,  
getFullYear() , getHours() ,  
getMilliseconds() , getMinutes() , getMonth() ,  
getSeconds() , getTime()
```

Set Part of a Date

```
setDate() , setFullYear() , setHours() , setMil-  
liseconds() , setMinutes() , setMonth() , setSec-  
onds() , setTime()
```

Node Properties

```
attributes ,baseURI ,childNodes ,firstChild ,last-  
Child ,nextSibling ,nodeName,nodeType,nodeVal-  
ue,ownerDocument ,parentNode ,previousSibling  
,textContent
```

Node Methods

```
appendChild() ,cloneNode() , compareDocumentPosi-  
tion() ,getFeature() ,hasAttributes() , hasChild-  
Nodes() , insertBefore() , isDefaultNamespace(),  
isEqualNode() ,isSameNode(), isSupported() , look-  
upNamespaceURI() , lookupPrefix(), normalize() ,  
removeChild() , replaceChild()
```

Element Methods

```
getAttribute() , getAttributeNS() , getAt-  
tributeNode() , getAttributeNodeNS() , getElements-  
ByTagName() , getElementsByTagNameNS() , hasAttri-  
bute() , hasAttributeNS() , removeAttribute() ,  
removeAttributeNS() , removeAttributeNode() ,  
setAttribute() , setAttributeNS() , setAttributeNo-  
de() , setAttributeNodeNS()
```

Window Methods

```
alert() , blur() , clearInterval() , clearTime-  
out() , close() , confirm() , focus() ,  
moveBy() , moveTo() , open() , print() ,  
prompt() , resizeBy() , resizeTo() , scrollBy() ,  
scrollTo() , setInterval() , setTimeout() ,  
stop()
```

Window Properties

```
closed , defaultStatus , document , frames ,  
history , innerHeight , innerWidth , length ,  
location , name , navigator , opener , outer-  
Height , outerWidth , pageXOffset , pageYOff-  
set , parent , screen , screenLeft , screen-  
Top , screenX , screenY , self , status ,  
top
```

JAVASCRIPT EVENTS

Mouse: onclick , oncontextmenu , ondblclick ,
onmousedown , onmouseenter , onmouseleave ,
onmousemove , onmouseover , onmouseup , onkeydown ,
onkeypress

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

Form: onblur , onchange , onfocus , onfocusin ,
onfocusout , oninput , oninvalid , onreset , onsearch ,
onselect , onsubmit

Drag: ondrag , ondragend , ondragenter , ondragleave ,
ondragover , ondragstart , ondrop

Animation: animationend , animationiteration ,
animationstart