Cheatography

JS Tips Cheat Sheet by teog29 via cheatography.com/201249/cs/42837/

Comments

- // recommended
- / those pairs can occur in regular
- expression literals, so block comments are not safe for commenting out blocks of code

Simple types

strings

booleans

null

undefined

All other values are **objects**. Numbers, strings, and booleans are object-like in that

they have methods, but they are immutable

Objects in JavaScript are mutable keyed collections

In JavaScript, arrays are objects, functions are objects, regular expressions are objects, and, of course, objects are objects.

Objects

An object is a container of properties, where		
a property has a name and a value		
property name	any string, including the empty string	
property value	any JS value, except for undefiend	
Objects in JS are class-free		

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Objects can contain other objects, so they can easily represent tree or graph structures

JavaScript includes a **prototype linkage feature** that allows one object to inherit the properties of another - this can reduce object initialization time and memory consumption.

С

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String

** - escape character

Js does not have a **charater** type - make a string just with one character in it

length property - "seven".length = 5

immutable - Once it is made, a strng can never be changed. But it is easy to make a new string by concatenating other strings together with the + operator

'c' + 'a' + 't' === 'cat' - two strings containg exactly the same characters in the same order are considered to be the same string

JavaScript was built at

a time when Unicode was a 16-bit character set, so all characters in JavaScript are 16 bits wide.

Object Literals

An object literal is a pair of curly braces surrounding zero or more name/value pairs.

Commas are used to separate the pairs

var empty_obejct = {}
var stooge = { "frist-name" : "Teo",
last_name = "G"}

Numbers

integer	
fraction	
exponent	100 and 1e2 are the same. (multiplying the e by 10 raised to the power of the part after e)
NaN	number value.NaN is not equal to any value, including itself. Detect NaN with isNaN(- number) function
Ininity	All values greater than 1.7976e+308

Not published yet. Last updated 28th March, 2024. Page 1 of 1.

Numbers (cont)

Math object that contains a set
of methods thata ct on
numbers

JavaScript has a single number type. Internally, it is represented as 64-bit floating point, the same as Java's double. Unlike most other programming languages, there is

no separate integer type, so 1 and 1.0 are the same value

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