Cheatography

JavaScript Basics Cheat Sheet

by Techelopment (techelopment) via cheatography.com/212073/cs/46055/

Variables

`let x = 10;`	block scope	most used
`const MAX = 100;`	constant values	
`var y = 10;`	global or function scope	old usage

Operators

`let x = 10;`	assignment
`x == " Hel lo"`	comparison
`x === " Hel lo"`	strict comparison
`&&`	logical AND
`||`	logical OR
`!`	logical negation

Data Types

`let num = 10;`	Number
`let str = " Hel lo";`	String
`let isTrue = true`	Boolean
`let arr = [1, 2, 3]`	Array
`let obj = { a:1, b:2, c:"t hre e" }`	Object

Array

`let array = ["a", " b","c "]`	array definition
`array.length //3`	number of elements in array
`array[0] // a`	access first element
`array[n] //0=<n <ar ray.leng th`	access n^{th} element
`array[4] // error`	4 grater then length of array
`array[array.length - 1] // c`	access last element

Comments

```
// this is a one line comment
/* this is a multiple
    lines comment
    also called block comment */
```

Object

```
let object = {
      name: " Ali ce",
     age: 30
}
```

Unlike JSON, a JavaScript object does not have double quotes (") in the property name

Object usage

`object.name // Alice`	dot notation
`object["name"] // Alice`	property access notation
`object.age // 30`	
`object.gender // undefined`	non-existent property

try...catch...finally

```
try{
      //code might throw an error
} catch(err) {
      con sol e.e rro r("Error occurr ed",
err.me ssage);
} finally {
      con sol e.l og( " Ope ration comple ted ");
}
```

try: This block contains code that might throw an exception (an error)
catch: This block handles the exception if an error occurs in the try block
finally: This block always executes, regardless of whether an error occurs or not

Function

```
function greet() {
      con sol e.l og( " Hel lo")
}
```

function definition

Function with parameter

```
function greet(name="Alice") {
      con sol e.l og( " Hel lo")
}
```

parameter name with default value "Alice"

By **Techelopment** (techelopment)

cheatography.com/techelopment/
www.techelopment.it/

Published 3rd April, 2025.
Last updated 3rd April, 2025.

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