Javascript Cheat Sheet

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Basics

<script src="file.js"></script>	Include external Javascript file in HTML
const x = 1; let y = 2; var z = 3;	Define variables. const is permanent, let is modifiable
myObject = { x: 1, y: 2 };	Define an object
myArray = [1,2,3];	Define an array
If (x === 1 && y === 2 || z === 4) {	If and not example
for (let i = 0; i < 10; i++) {	For loop, runs 10 times, i will be 0-9 inside loop.
=== !== > >= < <=	Equals, not equals, greater than, great than or equal to...
const myFunc = (intVar) => { return intVar + 1; }; const six = myFunc(5);	Define a function, pass a variable to the function and return a output variable
myArray.forEach((el) => { doSomething(el); });	Iterate over an array with forEach
// a comment /* another */	Comment end of line, comment a block

Advanced

const balance = async () => {
  return new Promise(resolve => {
    resolve(123);
  });
};
const x = await balance();
balance().then((x) => { });
	An example of using promises, async/await and then.
	Balance is declared as an asynchronous function.
	This is resolved with the value 123
	This value gets assigned to x when the await balance is called.
	Finally we have a separate example of running another function after promise is resolved with .then

try { fail(); } catch(err) { console.log(err); }	Try, catch errors
JSON.parse('{test:1}'); JSON.stringify(myObj);	Parse and format JSON
const c = `© copyright ${new Date().getFullYear()}`;	Injecting a date variable into a backticks string

Useful

console.log('test',myVariable);	Debug variables in console
document.getElementById('my-div').innerHTML = 'test';	Change an elements contents on a web page
document.querySelectorAll('.class').forEach((el) => {	Do something to every element with a specific class
document.getElementById('test').classList.toggle('hidden');	Toggle a class for an element with id="test"
if (Math.random() > 0.5) {	Split test or generate random number
const ts = new Date().getTime();	Generate timestamp (milliseconds since 1970)
const status = (age >= 18) ? "adult" : "minor"	Define variable based on query
const clean = string.split(/[^a-zA-Z0-9]/).join('');	Remove everything but alphanumeric characters
const count = (myString.match(/test/g) || []).length;	Count occurrences of a regex match

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