

SheCodes JavaScript Cheatsheet

A reference list of JavaScript variables, strings, and other attributes.

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Variables

Alerts & Prompts

Variable creation	Alert
<pre>let school = "SheCodes"; let fullPackage = "SheCodes Pro"; let projects = 4; let awesome = true;</pre>	<pre>alert("Olá"); let name = "Angela"; alert(name);</pre>
More info	More info

Variable operations	Prompt
<pre>let x = 2; let y = 3; let z = x + y; // 5 let city = "Lisbon"; let country = "Portugal" let place = city + " " + country; //Lisbon Portugal</pre>	<pre>let firstName = prompt("What is your first name"); let lastName = prompt("What is your last name"); let fullName = firstName + " " + lastName; alert(fullName);</pre>
	More info

If else

JavaScript

Variable data Types	if statement
<pre>let age = 23; // Number let name = "Julie"; // String let canCode = true; // Boolean, could also be false</pre>	<pre>let country = prompt("What country are you from?"); if (country === "Portugal") { alert("You are cool"); } if (country !== "Portugal") { alert("Too bad for you"); }</pre>
More info	More info

Structure structure types	if else statement
<pre>let students = ["Kate", "Julie", "Mariana"]; // Array let kate = { firstName: "Kate", lastName: "Johnson", age: 23, canCode: true, }; // Object</pre>	<pre>let age = prompt("How old are you?"); if (age < 18) { alert("You cannot apply"); } else { alert("You can apply"); }</pre>
More info	More info


Strings

Creating a string	Copy
<pre>let name = "SheCodes"; // "SheCodes"</pre>	
More info	JavaScript

String concatenation	Copy
<pre>let firstName = "Julie"; let lastName = "Johnson"; let fullName = firstName + " " + lastName; // "Julie Johnson"</pre>	
	JavaScript

Trim	Copy
<pre>let city = " Montreal " city.trim() // "Montreal"</pre>	
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[Replace](#)




Copy

```
let city = "Montreal";
city = city.replace("e", "é"); // "Montréal"
```

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 JavaScript

[toLowerCase](#)



Copy

```
let city = "Montreal";
city = city.toLowerCase(); // "montreal"
```

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Arrays

[Array declaration](#)

[toUpperCase](#)

```
let city = "Montreal";
city = city.toUpperCase(); // "MONTREAL"
```

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```
let myList = [];
let fruits = ["apples", "oranges", "bananas"];
myList = ['banana', 3, go, ['John', 'Doe'], {'firstName': 'John', 'lastName': 'Smith'}]
```

More info

[Template literals](#)

```
let city = "Denver";
let sentence = `Kate is from ${city}`; // Kate is from Denver
```

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[Access an Array.](#)

```
fruits
fruits[0]
fruits[1]
fruits[2]
fruits[3]
```

More info

Numbers

[Round](#)



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```
Math.round(4.7) // 5
```

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 JavaScript

[Floor](#)




Copy

```
Math.floor(4.7) // 4
```

More info

 JavaScript

[Ceil](#)



Copy

```
Math.ceil(4.7) // 5
```

More info

 JavaScript

[Min](#)



Copy

```
Math.min(2, 5, 1) // 1
```

More info

 JavaScript


[Max](#)




Copy

```
Math.max(2, 5, 1); // 5
```

More info

 JavaScript

[Random](#)



Copy

```
Math.random(); // 0.47231881595639025
```

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 JavaScript

Dates

[Get current time](#)



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```
let now = new Date();
```

Objects

https://www.frontendcheatsheets.com/javascript

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Create a date

```
let date = Date.parse("01 Jan 2025 00:00:00 GMT");
```

More info

Get date data

```
let now = new Date();
now.getMinutes(); // 0,1,2, 12
now.getHours(); //1, 2, 3, 4
now.getDate(); //1, 2, 3, 4
now.getDay(); // 0, 1, 2
now.getMonth(); // 0, 1, 2
now.getFullYear(); // 2021
```

More info

Creating a new object

```
let fruit = new Object(); // "object constructor" syntax

let user = {}; // "object literal" syntax

let student = {
  firsName: "Julie",
  lastName: "Johnson",
};

let anotherStudent = {
  firstName: "Kate",
  lastName: "Robinson",
  female: true,
  greet: function () {
    alert("Hey");
  },
};
```

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Reading an object properties

```
let user = {
  firstName: "Lady",
  lastName: "Smith",
};
```

Functions

JS Functions

 Copy

```
function sayFact() {
  let name = prompt("What's your name?");

  if (name === "Sofia") {
    alert("Your name comes from the Greek -> Sophia");
  }
}

sayFact();
```

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 JavaScript

JS Functions Parameters

 Copy

```
function fullName(firstName, lastName) {
  alert(firstName + " " + lastName);
}

let firstName = prompt("What's your first name?");
let lastName = prompt("What's your last name?");
fullName(firstName, lastName);
fullName("Kate", "Robinson");
```

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 JavaScript

JS Functions Return

 Copy

```
function add(x, y) {
  return x + y;
}

let result = add(3, 4);
let result2 = add(result, 0);

function getFullName(firstName, lastName) {
  let fullName = firstName + " " + lastName;
  return fullName;
}

let userFullName = getFullName("Kate", "Robinson");
alert(userFullName); // Kate Robinson
alert(getFullName("Julie", "Smith")); // Julie Smith
```

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 JavaScript

Closures

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```
function hello() {
  function go() {
    alert go(name);
  }

  let name = "Matt";
  go();
}
```

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 JavaScript

Debugging


Selectors

Console log

QuerySelector

 Copy

<pre>let li = document.querySelector("li"); let day = document.querySelector(".day"); let paragraph = document.querySelector("ul#list p");</pre>	
Returns the first element (if any) on the page matching the selector. More info	<h2>Events</h2> <div>Creating an event listener</div> <pre>function sayHi() { alert("hi"); } let element = document.querySelector("#city"); element.addEventListener("click", sayHi);</pre> <p>The sayHi function will be executed each time the city element is clicked. Click is the most common event type but you can also use click mousemove keydown keyup.</p> More info
<h2>QuerySelectorAll</h2> <pre>let lis = document.querySelectorAll("li"); let paragraphs = document.querySelectorAll("li#special p");</pre>	
Returns all elements (if any) on the page matching the selector. More info	
<h2>AJAX</h2>	
<div>AJAX with Fetch<div>ShareCopy</div></div> <pre>let root = 'https://jsonplaceholder.typicode.com' let path = 'users/1' fetch(root + '/' + path) .then(response => (response.json())) .then(json => (console.log(json)));</pre>	
Note: We recommend axios instead More info	<h2>Element manipulation</h2> <div>HTML classes</div> <pre>let li = document.querySelector("li#special"); li.classList.remove("liked"); li.classList.add("something");</pre> <p>Update the element class names.</p> More info
<h2>AJAX with Axios</h2>	
<pre><!DOCTYPE html> <html> <body> <script src="https://unpkg.com/axios/dist/axios.min.js"></script> <script> function showUser(response) { alert(`The user name is \${response.data.name}`); } let url = "https://jsonplaceholder.typicode.com/users/1"; axios.get(url).then(showUser); </script> </body> </html></pre> More info	<div>HTML content</div> <pre>let li = document.querySelector("li") li.innerHTML = "Hello World";</pre> <p>Update the HTML content of the selected element.</p> More info
<h2>Forms</h2> <pre><form> <input type="text" id="email" /> </form> <script> function signUp(event) { event.preventDefault(); let input = document.querySelector("#email"); console.log(input.value); } let form = document.querySelector("form"); form.addEventListener("submit", signUp); </script></pre>	



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