

# SheCodes JavaScript Cheatsheet

Looking for the best JavaScript cheats and snippets? SheCodes Javascript Cheatsheet has you covered! We offer a wide range of JavaScript cheat sheets, including fundamentals and methods. Our cheat sheets are designed to help you quickly reference the most commonly used JS techniques for creating dynamic web pages. Whether you're new to JavaScript or an experienced developer, our cheat sheets and code examples are a valuable resource. Check them out today!

## General

### Comments

```
// this is a comment  
/* or this is a comment */
```

This code will be ignored. Comments are generally a bad idea, your code

[More info](#)

## Variables

### Variable creation

```
let school = "SheCodes";  
let fullPackage = "SheCodes Pro";  
let projects = 4;  
let awesome = true;
```

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## Alerts & Prompts

### Variable operations

### Alert

```
alert("Olá");  
  
let name = "Angela";  
alert(name);
```

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### Prompt

```
let firstName = prompt("What is your first name");  
let lastName = prompt("What is your last name");  
let fullName = firstName + " " + lastName;  
alert(fullName);
```

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## If else

### Structure structure types

### if statement

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```

    alert("You are cool");
  }

  if (country !== "Portugal") {
    alert("Too bad for you");
  }

```

[More info](#)

### if else statement

```

let age = prompt("How old are you?");

if (age < 18) {
  alert("You cannot apply");
} else {
  alert("You can apply");
}

```

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### Nested if else statements

```

if (age < 18) {
  alert("you can't apply");
} else {
  if (age > 120) {
    alert("you can't apply");
  } else {
    alert("you can apply");
  }
}

```

[More info](#)

### Logical Or

```

if (age < 18 || gender === "male") {
  alert("You can't join SheCodes 🚫");
}

```

The code will be executed if one statement is true.

[More info](#)

### Logical And

```

if (continent === "Europe" && language === "Portuguese") {
  alert("You are from Portugal 🇵🇹");
} else {
  alert("You are not from Portugal");
}

```

The code will be executed if both statements are true.

[More info](#)

### Comparison and Logical Operators

## Strings

### Creating a string

```
let name = "SheCodes"; // "SheCodes"
```

[More info](#)

### String concatenation

```

let firstName = "Julie";
let lastName = "Johnson";
let fullName = firstName + " " + lastName; // "Julie Johnson"

```

```

//or
let fullName = `${firstName} ${lastName}`;

```

### Trim

```

let city = " Montreal ";
city.trim(); // "Montreal"

```

[More info](#)

### Replace

```

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

```

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### toLowerCase

```

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

```

[More info](#)


### toUpperCase

```

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

```

[More info](#)



```
3 >= 2 // true
2 === 5 // false
2 !== 3 // true
1 + 2 === 4 // false
```

More info

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

More info

Arrays

Dates

Array declaration

[Get current time](#)

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

More info

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 JavaScript

[Create a date](#)

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

More info

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 JavaScript

[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
```

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 JavaScript

Numbers

while loop

[Round](#)

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

More info

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 JavaScript

[Floor](#)

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

More info

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 JavaScript

[Ceil](#)

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

[Link](#)[Copy code](#)



<div><div>Min</div><div><div>Math.min(2, 5, 1) // 1</div></div><div><div>More info</div></div></div>	<div><div><div><div></div></div><div>Copy code</div></div><div><div>JavaScript</div></div></div>
<div><div>Max</div><div><div>Math.max(2, 5, 1); // 5</div></div><div><div>More info</div></div></div>	<div><div><div><div></div></div><div>Copy code</div></div><div><div>JavaScript</div></div></div>
<div><div>Random</div><div><div>Math.random(); // 0.47231881595639025</div></div><div><div>More info</div></div></div>	<div><div><div><div></div></div><div>Copy code</div></div><div><div>JavaScript</div></div></div>

## Objects

<div><div><div>Creating a new object</div></div><div><div>let fruit = new Object(); // "object constructor" syntax</div><div>let user = {}; // "object literal" syntax</div><div>let student = {   firstName: "Julie",   lastName: "Johnson", };</div><div>let anotherStudent = {   firstName: "Kate",   lastName: "Robinson",   female: true,   greet: function () {     alert("Hey");   }, };</div></div><div><div>More info</div></div></div>
--

<div><div><div>Reading an object properties</div></div><div><div>let user = {   firstName: "Lady",   lastName: "Gaga",   gender: "female", };</div><div>alert(user.firstName); // Lady alert(user.lastName); // Gaga</div><div>// or alert(user["firstName"]); // Lady alert(user["lastName"]); // Gaga</div></div><div><div>More info</div></div></div>
--

fruits.shift()

## Functions

<div><div><div>JS Functions</div></div><div><div>function sayFact() {   let name = prompt("What's your name?");    if (name === "Sofia") {     alert("Your name comes from the Greek -&gt; Sophia");   } }  sayFact();</div><div>Piece of code that does one or more actions</div><div><div>More info</div></div></div></div>
<div><div><div>JS Functions Parameters</div></div><div><div>function fullName(firstName, lastName) {   alert(firstName + " " + lastName); }</div><div>let firstName = prompt("What's your first name?"); let lastName = prompt("What's your last name?"); fullName(firstName, lastName); fullName("Kate", "Robinson");</div><div><div>More info</div></div></div></div>
<div><div><div>JS Functions Return</div></div></div>



```
let user = {
  firstName: "Lady",
  lastName: "Gaga",
  gender: "female",
};

user.profession = "Singer";
```

More info

Object Arrays

```
let users = [
  {
    firstName: "Bradley",
    lastName: "Cooper",
  },
  {
    firstName: "Lady",
    lastName: "Gaga",
  },
];

users.forEach(function (user, index) {
  for (let prop in user) {
    alert(prop + " is " + user[prop]);
  }
});
```

More info

Enumerating the properties of an object

```
let user = {
  firstName: 'Lady',
  lastName: 'Gaga',
  gender: 'female'
}

for(let prop in user) {
  alert(prop); // firstName, lastName, gender
  alert(user[prop]); // 'Lady', 'Gaga', 'female'
}
```

More info

Events

Creating an event listener

```
function sayHi() {
  alert("hi");
}

let element = document.querySelector("#city");
element.addEventListener("click", sayHi);
```

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 | mouseenter | mouseleave | mousedown | mouseup | mousemove | keydown | keyup.

```
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
```

More info

Closures

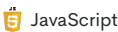
```
function hello() {
  function go(name) {
    alert(name);
  }

  let name = "SheCodes";
  go(name);
}

hello();
```

More info

Debugging



Console.log

```
console.log(name);
console.log("Let's code!");
```

Outputs a message to the web console.

More info

Selectors

QuerySelector

```
let li = document.querySelector("li");
let day = document.querySelector(".day");
let paragraph = document.querySelector("ul#list p");
```

Returns the first element (if any) on the page matching the selector.

More info



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### setTimeout

```
function sayHello() {
  alert('Hello')
}
setTimeout(sayHello, 3000);
```

It will only alert Hello after a 3 second delay

[More info](#)

### setInterval

```
function sayHello() {
  alert('Hello')
}
setInterval(sayHello, 3000);
```

It will say Hello every 3 seconds

[More info](#)

### AJAX with Fetch

```
let root = 'https://jsonplaceholder.typicode.com'
let path = 'users/1'

fetch(root + '/' + path)
  .then(response => (
    response.json()
  ))
  .then(json => (
    console.log(json)
  ));
```

Note: We recommend axios instead

[More info](#)

### AJAX with Axios

```
<!DOCTYPE html>
<html>
  <head>
    <script src="https://unpkg.com/axios/dist/axios.min.js"></script>
  </head>
  <body>
    <script>
      function showUser(response) {
        alert('The user name is ' + response.data.name);
      }
    </script>
  </body>
</html>
```

## Element manipulation

### HTML classes

```
let li = document.querySelector("li#special");
li.classList.remove("liked");
li.classList.add("something");
```

Update the element class names.

[More info](#)



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JavaScript

## APIs

### HTML content

```
let li = document.querySelector("li")
li.innerHTML = "Hello World";
```

Update the HTML content of the selected element.

[More info](#)

### Forms

```
<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>
```

### Geolocation API

```
function handlePosition(position) {
  console.log(position.coords.latitude);
  console.log(position.coords.longitude);
}
```

```
navigator.geolocation.getCurrentPosition(handlePosition)
```

The Geolocation API allows the user to provide their location to web applications if they so location information.

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SheCodes is here to give a solid introduction to **product development**, **product design** and **product management**.

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