

JavaScript Style Guide and Coding Conventions

https://www.w3schools.com/js/js_conventions.asp

https://www.w3schools.com/js/js_best_practices.asp

JavaScript Coding Conventions

Coding conventions are **style guidelines for programming**. They typically cover:

- Naming and declaration rules for variables and functions.
- Rules for the use of white space, indentation, and comments.
- Programming practices and principles

Variable Names

Use **camelCase** for identifier names (variables and functions).

Camel case convention means typing the words in lower-case, only capitalizing the first letter in each word.

All names start with a **letter**.

Spaces Around Operators

Always put spaces around operators (= + - * /), and after commas:

Code Indentation

Always use 2 spaces for indentation of code blocks:

Statement Rules

General rules for simple statements:

- Always end a simple statement with a semicolon.

General rules for complex (compound) statements:

- Put the opening bracket at the end of the first line.
- Use one space before the opening bracket.
- Put the closing bracket on a new line, without leading spaces.
- Do not end a complex statement with a semicolon.

Line Length < 80

For readability, avoid lines longer than 80 characters.

If a JavaScript statement does not fit on one line, the best place to break it, is after an operator or a comma.

Naming Conventions

Always use the same naming convention for all your code. For example:

- Variable and function names written as **camelCase**
- Camel case convention, typing the words in lower-case, only capitalizing the first letter in each word.
- Global variables written in **UPPERCASE**
- Constants (like PI) written in **UPPERCASE**

Hyphens are not allowed in JavaScript names.

File Extensions

HTML files should have a **.html** extension (not **.htm**).

CSS files should have a **.css** extension.

JavaScript files should have a **.js** extension.

Use Lower Case File Names

Initialize Variables

It is a good coding practice to initialize variables when you declare them.

This will:

- Give cleaner code
- Provide a single place to initialize variables
- Avoid undefined values