**Introduction to JavaScript for Frontend & Backend | Web Development Tutorials #46**

From this video onwards, we will learn about JavaScript language. It is a **client-side** scripting language. Let us now understand more about JavaScript.

**What is JavaScript?**

* JavaScript is a client side scripting language.
* It is used to make web pages alive.
* It is used to programmatically perform actions within the page.
* When JavaScript was created, it was initially called “**LiveScript**”.
* But Java was a very popular language at that time, so it was decided that positioning a language as a “younger brother” of Java would help.

Now let us understand what the use of JavaScript is.

**What JavaScript can do?**

1. JavaScript can execute not only in the browser, but also on the server.
2. We will use JavaScript as a client as well as server side language.
3. JavaScript has evolved greatly as a language and is now used to perform a wide variety of tasks.

**What Can In-Browser JavaScript Do?**

If JavaScripts are used in any websites, then it should not be given any low level CPU permissions like switching off the CPU etc. That is why JavaScript is made with extremely safe permissions that does not have any permission to access low level CPU usage.

1. JavaScript can add new HTML and change existing HTML from DOM.
2. It can even react to any events (actions).
3. It can also manage the AJAX requests (GET or POST request)
4. JavaScript can **get**and **set**cookies and use local storage.

**What Can’t In-Browser JavaScript Do?**

1. JavaScript cannot read or write to and from computer hard disk without user permissions.
2. The browser does not allow the JavaScript of any website to collect the AJAX information of the other website because it generates the error of  **same origin policy**.
3. To summarize, JavaScript can only access the permitted resources but cannot access your documents on personal computers.

These strict policies are developed to make sure that your computer is safe.

**What Makes JavaScript a Unique language?**

* The most important thing that makes it a unique language is, it has a complete integration of HTML and CSS. They provide it with a lot of extra support.
* Also it provides the use of simple APIs (Application Programming Interface).
* It also supports the major modern browsers which are enabled by default. If you turn off the feature of JavaScript in the browser, you cannot access any website.

**Versions of JavaScript**

JavaScript is such an important language that it requires substantial updates to maintain its different versions. The ECMA is a standard maintained for any of the scripting languages that pushes for new updates. The ECMA was first launched in 1997.

So I believe you must have understood the basic concept of JavaScript. We will learn more about it in the upcoming tutorials. Till then stay tuned with the tutorials.

No Source Code Associated With This Video

# JavaScript Tutorial

[❮ Home](https://www.w3schools.com/default.asp)[Next ❯](https://www.w3schools.com/js/js_intro.asp)

JavaScript is the world's most popular programming language.

JavaScript is the programming language of the Web.

JavaScript is easy to learn.

This tutorial will teach you JavaScript from basic to advanced.

[Start learning JavaScript now »](https://www.w3schools.com/js/js_intro.asp)

## **Examples in Each Chapter**

With our "Try it Yourself" editor, you can edit the source code and view the result.

### **Example**

## **My First JavaScript**

Click me to display Date and Time

[Try it Yourself »](https://www.w3schools.com/js/tryit.asp?filename=tryjs_myfirst)

## **Use the Menu**

We recommend reading this tutorial, in the sequence listed in the menu.

If you have a large screen, the menu will always be present on the left.

If you have a small screen, open the menu by clicking the top menu sign ☰.

## **Learn by Examples**

Examples are better than 1000 words. Examples are often easier to understand than text explanations.

This tutorial supplements all explanations with clarifying "Try it Yourself" examples.

If you try all the examples, you will learn a lot about JavaScript, in a very short time!

[JavaScript Examples »](https://www.w3schools.com/js/js_examples.asp)

## **Why Study JavaScript?**

JavaScript is one of the **3 languages** all web developers **must** learn:

   1. [**HTML**](https://www.w3schools.com/html/default.asp) to define the content of web pages

   2. [**CSS**](https://www.w3schools.com/css/default.asp) to specify the layout of web pages

   3. **JavaScript** to program the behavior of web pages