

JavaScript Introduction

JavaScript is the programming language of the Web.

All modern HTML pages are using JavaScript.

JavaScript is easy to learn.

Why Study JavaScript?

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

1. **HTML** to define the content of web pages
2. **CSS** to specify the layout of web pages
3. **JavaScript** to program the behavior of web pages

This tutorial is about JavaScript, and how JavaScript works with HTML and CSS.

JavaScript is the most popular programming language in the world.

It is the language for HTML, for the Web, for computers, servers, laptops, tablets, smart phones, and more.

This page contains some examples of what JavaScript can do in HTML.

JavaScript Can Change HTML Elements

The HTML DOM (the **D**ocument **O**bject **M**odel) is the official W3C standard for accessing HTML elements.

JavaScript can manipulate the DOM (change HTML contents).

The following example changes the content (innerHTML) of an HTML element identified with id="demo": Example

```
document.getElementById("demo").innerHTML = "Hello JavaScript";
```

The method **document.getElementById()** is one of many methods in the HTML DOM.

You can use JavaScript to:

- Change HTML elements
- Delete HTML elements
- Create new HTML elements
- Copy and clone HTML elements

JavaScript Can Change HTML Attributes

With JavaScript, you can change almost any HTML attribute.

JavaScript Can Change HTML Styles (CSS)

Changing the style of an HTML element, is a variant of changing an HTML attribute.

Example

```
document.getElementById("demo").style.fontSize = "25px";
```

With JavaScript, you can change almost any CSS values.

JavaScript Can Validate Data

JavaScript is often used to validate input

Did You Know?

JavaScript and Java are two completely different languages, both in concept and design.



JavaScript was invented by Brendan Eich, to be used in Netscape

(a no longer existing browser) in 1995,
and was adopted by the ECMA standard association in 1997.

ECMA-262 is the official name. ECMAScript 5 (version 1.8.5 - July 2010) is the latest standard.