## What is the DOM?

The DOM is a W3C (World Wide Web Consortium) standard that defines a standard for accessing documents:

**An international multi-stakeholder community where member organizations, a full-time staff, and the public work together to develop open web standards**.

*"The W3C Document Object Model (DOM) is a platform and language-neutral interface that allows programs and scripts to dynamically access and update the content, structure, and style of a document."*

Language-agnostic programming or scripting (also called language-neutral, language-independent, or cross-language) is **a software paradigm in which no particular language is promoted**.

The W3C DOM standard is separated into 3 different parts:

* Core DOM - standard model for all document types
* XML DOM - standard model for XML documents
* HTML DOM - standard model for HTML documents

## The HTML DOM (Document Object Model)

## What:

With the HTML DOM, JavaScript can access and change/update all the elements of an HTML document.

**When and Who:**

When a web page is loaded, the browser creates a **D**ocument **O**bject **M**odel of the page.

## The HTML DOM Document Object

The HTML DOM document object is the owner of all other objects in your web page. It represents our web page.

**DOM Methods:**

|  |  |
| --- | --- |
| document.getElementById(id) | Find an element by element id |
| document.getElementsByTagName(name) | Find elements by tag name |
| document.getElementsByClassName(name) | Find elements by class name |

**DOM Properties:**

1. innerHTML

# What is the Difference Between textContents, innerText, and innerHtml?

* textContents is all text contained by an element and all its children that are for formatting purposes only.
* innerText returns all text contained by an element and all its child elements.
* innerHtml returns all text, including html tags, that is contained by an element.