

HTML , CSS and JavaScript

Three languages, adapted in a web page for different purposes. HTML is the Markup language use to create the structure of the web page. CSS defines how the web page should be formatted. JavaScript is an OOP language which controls the behaviors of a web page.

What is HTML

HTML is the acronym for Hyper Text Markup Language and this is the standardized language used to create the web pages on the World Wide Web. HTML contains set of predefined tags and their attributes, which allows creating the structure/block of the web page. Web browsers interpret HTML documents to show their contents.

Most of the HTML tags are introduced as pairs including a starting and an ending tag (<html></html> , <head></head> , <body></body>). But some tags appear as empty tags, only having a single tag (
 , , <input/>). Any HTML document should be enclosed within <html></html> tags. A web page is simply divided into two parts as the head and the body. The things to be appeared in the head section should be in between <head></head> tags. Within the <body></body> tags it includes the data that should be used as the web page content. The tag order in the HTML document should be in the form of FILO or LIFO, which means that the tag starting at first should end as the last one.

HTML was introduced by Tim Berners Lee in 1991 based on the SGML(Standard Generalized Markup Language).

What is CSS

Cascading Style Sheet is a language which defines how the Markup elements should be displayed. Simply in web pages CSS concentrate on formatting and presentation of the HTML Document. CSS gives functionalities to change formats by applying various values to properties such as color, font – size, font – family, position, etc. Web Designer can attach the CSS code as inline, internal or external to the HTML document. An Internal Style sheet code is properly mentioned in the head section of a web page enclosed with <style></style> tags. External Style sheet files are saved as .css and they too link to the HTML document in the head section. The linking of the CSS code internally or externally will separate the document content from its presentation. Inline means put the CSS code in an opening tag of a particular HTML element using the style attribute (<p style="color:blue;font – size:16px">). CSS syntax appears as follows.

Selectors/Elements { property : value ; property : value ;}

p , h6 { color : red , font – size :12px}

If there is no CSS code defined specially for an HTML element, the browser will display the content by applying the default CSS of the web browser. Introduced by the W3C(World Wide Web Consortium) in 1996.

What is JavaScript

A Scripting language controls the behavior of HTML pages. JavaScript codes are embedded in HTML pages to add interactive effects with the client and dynamically change the web page contents. It seems to be an Object Oriented Programming Language derived from Java. This allows to obtain any feature of a programming language such as declaring variables, applying logics, etc. JavaScripts are run on web browsers at the client side. Web Designer can embed the JavaScript codes internal or external to the HTML page. Internal JavaScripts found in the head section within the <script></script> block. External files saved in .js format and link to the HTML page also in the head section.

JavaScript was introduced by Brendan Eich as a professional of Netscape.

Difference Between HTML , CSS and JavaScript

HTML defines the structure of the web page , CSS decides the presentation and JavaScript used to control the behavior.

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