HTML, CSS & JS

Hyper Text Markup Language – Tag based - Tim berners Lee (HTML,WWW, Internet)

Every commands is in the form of tags.

Tags will start with < and end with > (<> - angular brackets)

There should be a closing tag for every open tag except few tags like <br/>, <hr/> <input/> etc.,

The tags with out closing tag are called as self-closing tags.

[test@gmail.com](mailto:test@gmail.com) testdata

HTML is a view technology.

HTML is case and space insensitive language.

In HTML all the tags are predefined.

In HTML you can customize the tags using attributes.

HTML can understand events.

All the browsers can understand HTML tags and render the view based on their internal implementation.

No Error Reporting & Error Handling mechanism in HTML.

You can use any text editor to create html documents.

All the HTML file should have a html or htm extension.

In HTML no compilation & interpretation, it’s just rendering the output.

To get output for html file, open that html file in any browser.

Same html will give different output(appearance) in different browser.

Main tags in HTML.

Every html file should have two imp tags <html> </html>

HTML is used to create web pages.

Collection of related html files are called as websites.

Generally the HTML document is divided into two parts.

One is Heading and another one is body.

<head>

This is heading section, which contains meta tags, title tag, script tag and some external file references

</head>

<body>

This is body section. Whatever information that we add here will be displayed in browser.

</body>

CSS – Cascading Style Sheet

1. Inline style (Not recommended)
2. Internal CSS
3. External CSS (Most Recommended)

Different types of selectors in css

1. Element or tag selector (tag names)
2. Class selector (.)
3. Id selector (#)

Bootstrap (Based on CSS, JS and Jquery) is a front end framework

Login Page using bootstrap

Username

Password:

Clear Login button

W3schools

JavaScript (DOM Manipulation & Validation)

1. Object Based Language
2. ECMA Script (ES5 or JS)
3. It’s not a strongly typed language
4. Little similar to JAVA
5. <script> tag is used to add java script
6. Every Browser will have an internal javascript engine
7. Many browser provides option to disable javascript
8. It change DOM value(HTML Content[innerHTML])
9. It change Elements Attribute value
10. It can show/hide HTML elements
11. It can change HTML styles (CSS)

XML (Extensible Markup Language)

1. XML is case and space sensitive
2. Tags are not pre defined , user defined tags
3. The root element is xml
4. Xml is for representing the data
5. Xml is platform/language/hardware independent way of storing data
6. The process of extracting the data from the XML file is called as parsing
7. All Programming Lang will have parser (DOM/SAX) to parse the XML data
8. There are 2 types of checking for XML document ( Wellform/Valid)
9. DTD – Document Type Definition/Description & XSD – XML Schema definition

JSON - JavaScript Object Notation

1. Representing the data using javascript.

AJAX (Asynchronous Javascript & XML)