Day 1

15-06-2021

https://[www.google.com](http://www.google.com) URL

http : protocol , hyper text transfer protocol

s : secure

www: world wide web

google : domain

com : commercial

req(http/https---🡪

Client Server

🡨--Res(http/https) HTML/HTML5

CSS/CSS3

HTML : Hyper text mark up language. JS(JavaScript)

HTML : it is use to display the content on browser

CSS : apply good look and feel or presentation logic on contents.

JS : Action on contents or events on contents or programming on web page.

VS Code

Html contains lot of pre-defined tags

Syntax

<tagName>

</tagName>

<tagname/> self closing tag

1, 2 , 3 HTML4

<!doctype html public =”url…..dtd”>

Document type definition

This file contains rules or structure of html page means that is root tag name, how many child tag it must contains, number of tags inside body etc.

HTML5

<!doctype HTML> optional

Heading tags

H1 to h6 tags

Attribute : attribute is known as properties of tags.

Every tag contains one or more than one attribute. Attribute in the form of key-value pairs we have to use attribute in opening tags.

<tagName key1=”value1” key2=’value2’ key3=value3>

</tagname>

Hyperlink tags

Using hyperlink we can connect more than one web page.

1. External hyperlink
2. Internal hyperlink or bookmark

External hyperlink

<a href=”tagetPageName.html”>Text</a>

Internal Hyperlink or bookmark

One Page application (HTML).

Images :

<img src=”nameoftheimage.format”/>

List tags

Ul

Ol

Table tags

Employee Details

**Id Name Salary**

100 Raj 12000

101 Seeta 14000

Forms tags

Before HTML 5

<input type=”text/password/radio/checkbox/button/reset/file/submit”/>

After HTML 5

<input type=”email/url/search/date/date-time/time/color”/>

By default every html page form method consider as a GET method.

If method is GET the information send through URL using URL rewriting technique.

URL?key1=value&key=value&key=value….

<file:///C:/Users/91990/Desktop/MEAN%20Stack/MEAN%20Stack/Programs/HTML%20and%20HTML5/home.html?uname=Ravi&pname=123>.

If method is GET. Data is not secure.

If we want to data secure the new have to use method as POST. If method is post the data will send through body part of request.

Body method after click on submit button

<file:///C:/Users/91990/Desktop/MEAN%20Stack/MEAN%20Stack/Programs/HTML%20and%20HTML5/home.html>

Performance wise get is faster than post. Using get we can send only 255 character data.

REST API

Get

Post

Put

Delete

But html or html5 support only get or post.

CSS : Cascading style sheet.

CSS provide lot of pre-defined attribute which help to apply good look and feel (presentation logic) to web page.

Using CSS we can achieve separation on concern.

Actual content Formatting style

Type of CSS

3 types

1. Inline css
2. Internal css or embedded css
3. External css

Inline CSS

<tagname style=”property:value;property:value;property:value;”>

</tagname>

Internal or Embedded CSS

Syntax

This tag must be inside head tag.

<style type=”text/css”> tag

selector {property : value}

</style>

Types of selectors

1. Universal selector : \* {property : value}
2. Specific selector : tagName {property : value}
3. Multi selector : tagName, tagName { property : value}
4. Local class selector : tagName.className{} {property : value}
5. Global class selector : .className {}
6. Id selector :

Class : group of tags.

Id : using id we can make the tag is unique.

<div>

<p class=”abc” id=”p1”>First Para</p>

<p class=”xyz” id=”p2”>Second Para</p>

<p class=”abc” id=”p3”>Third Para</p>

<p class=”xyz” id=”p4”>Fourth Para</p>

</div>

Box model

In JavaScript all html tag is know as DOM (Document Object Model).

DOM elements : it may be html, head, body, p, div etc.

According to box model every dom element follow box model concept.

