



1. Protocol--- rules to communicate between 2 machines is called as protocol

http(hyper text transfer protocol), SMTP (Simple mail transfer protocol)

2. ISP ---- Internet Service provider
3. Proxy server
4. WWW
5. Intranet

1. Web application

It receives data from either from web service or from data base and it converts it in user understandable format by adding presentation logic into it, is called as web application. This is also called as B2C(business to client) communication.

2. Web Service – It's a web application which connects to some database retrieves data and converts it into either JSON format or XML format or Text format and pass it to another application, is called as web service. It is also called as B2B (business to Business communication)

MERN stack ---MongoDB, ExpressJs,React,NodeJS

JSON -Javascript Object Notation

XML- Extensible Markup Language

HTML---Hypertext Markup language.

Many built in tags are available

These are divided into 3 categories

1. Empty tags---- if a there is no text between begin and end tag then it is called as empty tag, example --
 ,<hr/>,<input/>
2. Semantic tags----- it is tag which gives you more information about the data written in it, accessibility of data becomes very easy.
Examples, header, footer, nav, article, section
<h1>This is </h1>
<header>this is header</header>
3. Auto closable tag---- if the next occurrence of the same tag closes the previous occurrence of the tag, then it is called as auto closable tags
<tr>, ,<option>
4. HTML tags----- <p>,<div>,<a>,

To install visual studio code

<https://code.visualstudio.com/download>

download user installer

install live server in VSS

view>extension>live server >> install

url → uniform Resource Locator→

protocol://<ipaddress>:portnum/<applicationcontext>/<filename>?name=value&name=value

<http://127.0.0.1:5502/html demos/first.html?name=Kishori&address=Baner>

Query String---→?name=value&name=value

Web pages are designed using HTML

The pages are either static or dynamic pages

Static pages-----If any user opens the page and if see same data then it is called as static page

Dynamic pages-→ If any user opens the page and if see the data based on users i/p or users need then it is called as dynamic page.

1. Header Tags

In html there are 6 header tags, <h1> To <h6> and all these tags has some predefined format available.

2. Body tag

bbgcolor	Change the background colour of the page
background	To assign a image as background
alink	Active link color
Vlink	Visisted link color
link	Link color when page is loaded

3. A tag ---- to display link

Href	To link other page or its section or some other sites url
name	It gives name to the section of the page
target	Where to open the linked page, _blank, _self, _top, _parent default value is _self
href="mailto:kishoritrg@gmail.com"	To open mail client and shows email address in to section

4. Lists in html--→list are also nested

To display list items use li tag,

- Ordered list-----
- Unordered list----
- Data list----<dl>

type	Specifies type of numbering in tag or bullet in tag
start	Decides from where to start numbering

5. Img tag

To display image in the page

src	Fiile path to display iamge
height	To decide the height of the image
width	To decide width of the image
border	To display border to image
hspace	To display horizontal distance between image and text
vspace	To display verticle distance between image and text
Style="float:left"	To display image leftmost side and the text flows beside the image

3. To display table

<table> ---- to display table

border	To display border
bgcolor	To change the background color
height	To assign height
width	To assign width
background	To display image as background
Align	To align at left or right or center
Cellspacing	To display gap between 2 cells
celpadding	To display gap between the cell border and text

<tr> ---- to display table row

<th>---- to display table heading

<td>----to display table data

Colspan- to merge columns

Rowspan --- for merging rows

Align—to align the text horizontally

Valign---- to align text vertically

<caption> to display table caption

Align- to align cation either to top or bottom