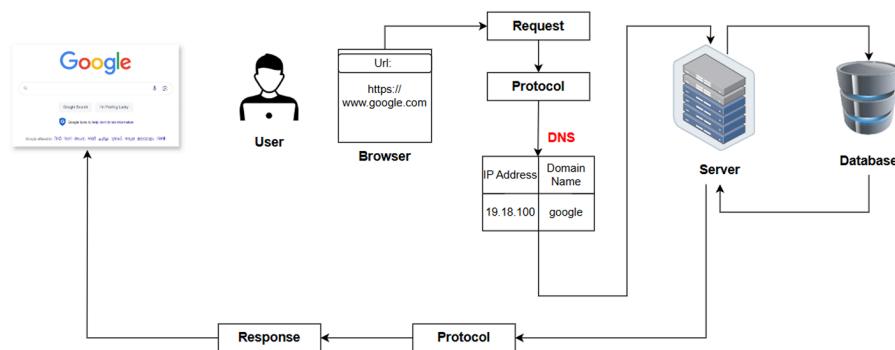


Introduction to HTML

1. Working of Web: →

- a. When you enter something like google.com the request goes to one of many special computers on the internet known as **Domain Name Servers (DNS)**.
- b. All these requests are routed through various routers and switches.
- c. The domain name servers keep tables of machine names and their IP addresses, so when you type **google.com** it gets converted into a number, which identifies the computers that serve the google website to you.



2. Static and Dynamic Web Pages: →

a. Static Webpages:

- i. A static website contains web pages with fixed content.
- ii. User Interaction is comparatively less.
- iii. That means it displays the same layout and content every time.

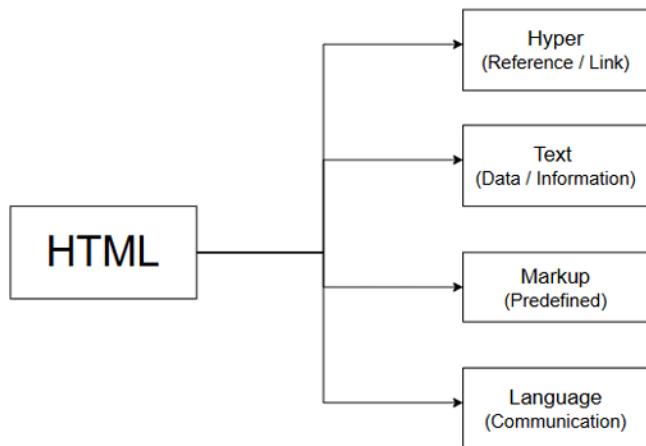
- iv. We can create static webpages with the help of HTML and CSS.
- v. It does not require the database.
- vi. It is simple to design.
- vii. It takes very less time for loading the content.
- viii. Development cost is minimum.
- ix. Examples: Wikipedia, Blog Websites, Newsletter Contents, etc.

b. Dynamic Webpages:

- i. A dynamic website contains information that changes depending on the viewer or user.
- ii. User interaction is more which can reflect on their network.
- iii. It provides a mix of content and designs as per the user's preference.
- iv. We can create dynamic webpages with the help of Javascript, PHP, servlets, etc.
- v. It requires the database connection to fetch the data from the database.
- vi. It is complicated to design.
- vii. It takes more time than a static website for loading the content.
- viii. Development cost is more because we have to maintain each of the webpage separately.
- ix. Examples ⇒ Social Media Platforms, e-commerce sites, etc.

3. What is HTML?

- a. HTML stands for Hyper Text Markup Language.
- b. HTML is used for developing the structure of webpage.
- c. HTML file has extension **.html or .htm**
- d. HTML files can be created by using simple text editors.



4. History of HTML: →

- a. Tim Berners Lee is known as the father of HTML.
- b. The first available description of HTML was a document called as "**HTML Tags**" proposed by Tim late **1991**.
- c. The latest version of HTML is **HTML5**.

5. Versions of HTML: →

a. **HTML 1.0 ⇒ (1993)**

- i. The first version of HTML was 1.0 which was barebones version of HTML language and it was released in 1993.

- ii. In this first version they have just introduced structuring elements like headings , paragraphs , images and list .
- iii. And also provide the basic font support.

b. HTML 2.0 ⇒ (1995)

- i. This was the first next version which was released in 1995.
- ii. HTML 2.0 was able to support extra features such as form-based simple text boxes and buttons.
- iii. And also they have provided a simple table structure.

c. HTML 3.2 ⇒ (1997)

- i. HTML 3.2 version was published in early 1997.
- ii. This version was capable of creating tables and upgraded form elements like more interactive & dynamic for user.
- iii. Also they have provided the CSS support.
- iv. It supports extra features of images.

d. HTML 4.01 ⇒ (1999)

- i. HTML 4.01 version was released in 1999.
- ii. In this version they provide the CSS file linking with the help of `<link>` tag.
- iii. They introduced some new tags like `<fieldset>`, `<header>`, `<footer>`, etc.
- iv. Also they work on table enhancement by introducing `colspan` & `rowspan`.

e. HTML 5 ⇒ (Initial-2008, Final-2014)

- i. HTML 5 is the newest version of Hyper Text Markup Language.
- ii. The final official version of HTML5 was released on October 28, 2014 by the World Wide Web Consortium (W3C).
- iii. First public draft: January 22, 2008
- iv. Final W3C Recommendation (official standard): October 28, 2014
- v. They introduced multimedia tags like <audio>, <video> tags.
- vi. Along with this they put some tags under the semantic tag.

6. How can we make Web Applications?

- a. We can create a web applications for that we need 3 technologies are as follows:
 - i. HTML
 - ii. CSS
 - iii. Javascript