

ASSIGNMENT

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WORLD WIDE WEB

www stands for world wide web. A technical definition of the world wide web is all the resources and users on the internet that are using the hypertext transfer Protocol (HTTP).

A broader definition comes from the organization that web inventor Tim Berners-Lee helped found, the World Wide Web Consortium (W3C).

The www is a way of exchanging information between computers on the internet, tying them together into a vast collection of interactive multimedia resources.

⇒ www works on client-server approach.

It works as; following steps.

1. User enters the URL of the web page in the address bar of web browser.

2. Then browser requests the Domain Name Server for the IP address corresponding to ~~www~~ ^{URL}.

3. After receiving IP address, browser sends the request for web page to the web server using HTTP protocol which specifies the way the browser and web server communicates.

4. Then web server receives request using HTTP protocol and checks its search for the requested web page. If found it returns it back to the web browser and close the HTTP connection.

5. Now the web browser receives the web page, it interprets it and display the contents of web page in web browser's window.

Web page:-

Web page is a document available on www. They are stored on web server & can be viewed using a web browser. It can contain huge information including text, graphics, audio, video & hyperlinks.

Collection of linked web pages on a web server is known as website. There is unique Uniform Resource Locator (URL) is associated with each web page.

Static web page:-

Static web pages are also known as flat or stationary web page. They are loaded on the client's browser as exactly they are stored on the web server. Such web pages contain only static information. User can only read the information but can't do any modification or interact with the information.

Dynamic Web pages:-

Dynamic web page shows different information at different point of time. It is possible to change a portion of a web page without loading the entire web page. It has been made possible using Ajax technology.

Server-side dynamic web page:

It is created by using server-side scripting. There are server-side scripting parameters that determine how to assemble a new web page which also include setting up of more client-side

processing.

Client-side dynamic web page:

It is processed using client-side scripting such as JavaScript. And then passed in to Document Object Model (DOM).

Scripting Languages

They are like programming languages that allow us to write programs in forms of script. These scripts are interpreted, not compiled & executed line by line. It is used to create dynamic web pages.

Client-side Scripting :-

It refers to the programs that are executed on client-side. Client-side scripts contains the instruction for the browser to be executed in response to certain user's actions.

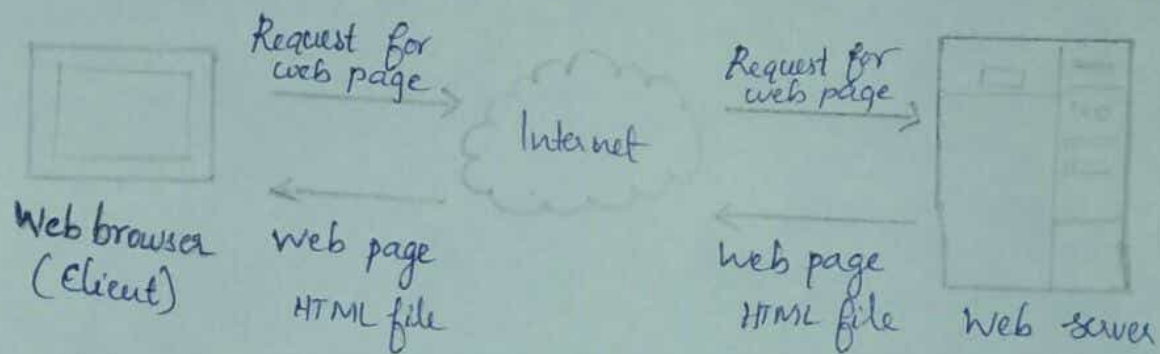
Client-side scripting programs can be embedded into HTML files or also can be kept as separate files.

eg:- JavaScript, ActionScript, Dard, VBScript.

Server-side Scripting:-

Server-side scripting act as an interface for the client and also limit the user access the resources on web server. It can also collect the user's characteristics in order to customize response.

eg:- ASP.net, Java, Python, WebDNA, ASP, ActiveVFP.



[Working of WWW]