Base Building Assignment *15.01.2023*

1. What is the Internet? Explain in your own words.

Ans) Internet is the technology that connects all computers and computer-like devices/ gadgets with each other. Data transfer between such connection-enabled devices is possible due to the Internet facility. All over the world internet is spread like a web which is called as world wide web (www) to enable us to establish universal connectivity in respect of digital data and online services.

2. What is a web browser?

Ans) Web browser is software to makes url based requests from servers and gets a response for it. It is a tool to avail Internet facility in a device for data transfer. Digital transfer of DATA between humans and computers is possible through web browsers. The web browser is an application to execute Web pages and extracts / presents data to the end user. There are multiple web browsers like internet explorer, Edge, Chrome, Mozilla Firefox, Safari, etc.

3. What is a browser engine?

Ans) The response to URL-based requests sent by the web browsers come returns in HTML or CSS and Javascript. Some part is for layout and other need to render. A web browser is comprised of two engines i.e. a) Layout or rending engine and b) Javascript engine. For eg., Blink is Brower Engines for chrome and WebKit is for Safari Brwower (which is compulsory for apple devices.) Gecko for Mozilla browser.

4. What is a static site?

Ans) Static sites show the following features.

   a) A static site contains those websites where the content of pages and the overall design of the site doesn't get updated very often.
   b) The main difference is the site and web pages are not collecting data from users nor getting updated by server-driven data.
   c) The same data will appear to all users and at about every time unless and until the data is manually updated through proper efforts.
   d) To update a static site/web page Web Developer has to make changes in codes by editing it through HTML or respective coding-based web page file.
   e) They are simple in nature, and informative in respect of related topics.

5. What is a dynamic site?

Ans) On the other hand dynamic sites show the following features.

   a) A dynamic site contains a web page where the content of pages and the overall design of the site is updated very frequently.
   b) Dynamic sites collect data from users and get updated automatically every now and then.
   c) The pages of the same site will appear a lot different to the same user at a different time and to multiple users at the same timeline.
   d) They are more complex in comparison with static sites.
   e) Most of the time data/ content is updated by end users and not by developers.