1. What is Internet? Explain in your words.

Internet is a global network that connects billions of computers across the world with each other and to the World Wide Web. It uses standard internet protocol suite (TCP/IP) to connect billions of computer users worldwide. It is set up by using cables such as optical fibers and other wireless and networking technologies. At present, internet is the fastest mean of sending or exchanging information and data between computers across the world.

1. What is Web Browser? Explain in your words.

The web browser is an application software to explore www (World Wide Web). It provides an interface between the server and the client and requests to the server for web documents and services. It works as a compiler to render HTML which is used to design a webpage. Whenever we search anything on the internet, the browser loads a web page written in HTML, including text, links, images, and other items such as style sheets and JavaScript functions. Google Chrome, Microsoft Edge, Mozilla Firefox, Safari are examples of web browsers.

1. What is Browser Engine? Explain in your words.

A browser engine is a core software component of every major web browser. The primary job of a browser engine is to transform HTML documents and other resources of a web page into an interactive visual representation on a user's device. The engine combines all relevant CSS rules to calculate precise graphical coordinates for the visual representation it will show on the screen. To complete the process, the engine makes the necessary system calls.

The browser engine is to take the HTML, CSS and other code of a web page - the text you can see in the page source or open in a text editor, setting out layouts, page content, and styling - and convert it into what you actually see on screen.

Technically, the rendering engine renders pages and the browser engine handles comms between the rendering engine and the browser user interface.

The browser engine, rendering engine, and JavaScript engine are all essentially working together to get raw web code into a viewable and usable-form inside your browser.

Browser engines may be used in other types of programs besides web browsers.

Here are some web browsers and their browser engine names listed below-

Gecko (Firefox), Webkit (Safari), Presto (Opera), and Blink (Google Chrome)

1. What is Static site? Explain in your words.

Static web pages are made of “fixed code,” and unless the site developer makes changes, nothing will change on the page. Think of it like a brochure for a business. Static sites give a lot of the same type of information that you could get from a brochure, but it can’t just change itself. In order to do this, someone has to create a new page. That’s why static websites are sometimes referred to as brochure sites.

Nothing is stored but the actual pages of a static site. There are:

No users

No comments

No blog posts

No interactivity

1. What is dynamic site? Explain in your words.

If we can interact with site, it’s a dynamic site. For example, dynamic sites allow you to create a user profile, comment on a post, or make a reservation.

You’ll often hear static sites called websites and dynamic sites called web apps. It all goes back to the idea that there are websites and web applications. A web application is a website, but a lot of websites can’t be web applications. For example, Facebook is a website and a web application. However, a business’s simple website is not a web application.

example of a dynamic website-

Dynamic site examples include:

E-commerce sites

Blogs

Calendars, or to-do sites