

my itroduction

-> my name is smit thummar

-> i have completed 12th standard

-> now im going to do reactJS next

what is browsers?

- > a computer program with a graphical user interface for displaying and navigating between web pages.
- > A browser is an application program that provides a way to look at and interact with all the information on the World Wide Web. This includes Web pages, videos and images.
- > Many people will use web browsers today for access to the internet and is seen almost as a necessity in how many navigate their daily life.
- > These pieces of content, including pictures, videos, and web pages, are connected using hyperlinks and classified with URIs.
- > These files are often written in languages like HTML, CSS, and JavaScript.

how to work with browsers?

- > You can enter a website's address (URL) directly into the address bar, and the browser will take you to that specific webpage. Additionally, you can click on hyperlinks within web pages to navigate to other related pages.
- > The browser then sends an HTTP request to the server, specifying the path and parameters of the requested resource.
- > The browser's rendering engine interprets and renders the code to display the web page on the user's device.
- > The CSS stylesheets are applied to format the web page's content, including fonts, colors, and layout.
- > Once the server receives the request, it sends an HTTP response to the browser containing the requested resource in HTML, CSS, and JavaScript code.

what is internet?

- > The Internet is a vast network that connects computers all over the world.
- > Through the Internet, people can share information and communicate from anywhere with an Internet connection.
- > Using the internet we can send emails, photos, videos, and messages to our loved ones.
- > Or in other words, the Internet is a widespread interconnected network of computers and electronic devices.
- > The Internet nowadays is considered the fastest medium for sending and receiving information.

how work with internet?

(5 STEPS)

- > Firstly, you'll be required to connect your system or PC with any router or modem to establish a connection. This connection is the base of the internet connection.
- > When you open the browser and start typing something like "www.google.com", your system will push a query command to your ISP that is connected with other servers that store and process data.
- > Now, the web browser will start indexing the URL that you've entered and will fetch the details in numeric format (in their own language to identify the address (unique) that you're trying to reach.
- > Next is, now your browser will start sending the HTTP request where you're trying to reach and sends a copy of the website on the user's system. Note: The server will send data in the form of small packets.
- > Once all the data will be received at the user's end, the browser will start arranging all those small packets and later will form a collective file and then you'll be able to see the contents of that website.

what is web?

- > The Web is the common name for the World Wide Web, a subset of the Internet consisting of the pages that can be accessed by a Web browser.
- > Many people assume that the Web is the same as the Internet, and use these terms interchangeably.
- > The Web is a hypertext-based global information system that was originally developed at the European Laboratory for Particle Physics in Geneva.
- > Users can access the content of these sites from any part of the world over the internet using their devices such as computers, laptops, cell phones, etc.
- > The WWW, along with internet, enables the retrieval and display of text and media to your device.

what is web design?

- > Web designing is the process of planning, conceptualizing, and implementing the plan for designing a website in a way that is functional and offers a good user experience.
- > Websites have an array of elements presented in ways that make them easy to navigate.
- > All these factors, when combined, decide how well the website is designed.
- > Placing images, logos, text, videos, applications and other elements.
- > Web design partially overlaps web engineering in the broader scope of web development.

what is programming language?

- > i) Syntax: The specific rules and structure used to write code in a programming language.
- ii) Data Types: The type of values that can be stored in a program, such as numbers, strings, and booleans.
- iii) Variables: Named memory locations that can store values.
- iv) Operators: Symbols used to perform operations on values, such as addition, subtraction, and comparison.
- v) Control Structures: Statements used to control the flow of a program, such as if-else statements, loops, and function calls.
- vi) Libraries and Frameworks: Collections of pre-written code that can be used to perform common tasks and speed up development.
- vii) Paradigms: The programming style or philosophy used in the language, such as procedural, object-oriented, or functional.

what is scripting language?

- > A scripting language is a programming language that employs a high-level construct to interpret and execute one command at a time.
- > A script or scripting language is a computer language that does not need the compilation step and is rather interpreted one by one at runtime.
- > Python, PHP, and Perl are examples of server-side scripting languages, while JavaScript is the greatest example of a client-side scripting language.
- > It is where the script is written and where instructions for a run-time environment are written.
- > These languages are often developed with the goal of communicating with other programming languages.

what is markup language?

- > A markup language is a text-encoding system consisting of a set of symbols inserted in a text document to control its structure, formatting, or the relationship between its parts.
- > These languages are more readable than usual programming languages with strict syntax.
- > 3 types of markup
 - i) Presentational markup
 - ii) Procedural markup
 - iii) Descriptive markup
- > Some markup languages, such as the widely used HTML, have pre-defined presentation semantics, meaning that their specifications prescribe some aspects of how to present the structured data on particular media.
- > Furthermore, markup for human-readable texts must maintain order: it would not suffice to make each paragraph of a book into a "paragraph" record, where those records do not maintain order.