Ans) HTML (Hypertext Markup Language) is the standard language for writing web pages and web applications. It gives the structure of the content on a webpage, whereas CSS (Cascading Style Sheets) is used to style the look of that content. Altogether, they constitute the skeleton of web development helping developers to create attractive and usable websites.

I have done few projects including HTML and CSS, from simple static sites to more complex web applications. These projects comprised of activities aimed at designing the pan, styling of elements, implementing responsive designs, and checking the cross-browser compatibility.

1)Amazon site replication using only css and html

2)DOG-Tinder using html, css and bootstrap.

Q)Explain the concept of semantic HTML and its importance in web development. Please provide examples of semantic HTML elements and their usage.

Ans) Miscencedical HTML means employing HTML elements which mean more than just their physicality. It aids search engines, screen readers, and other devices grasp the structure and content of a webpage which in turn enhances accessibility, SEO, and maintainability.

Examples of semantic HTML elements include:Therefore, the first component brings the existing time to the initial state of the world.

<header>: Refers to the initial information presented at the start of a division or webpage.
<nav>: A section defines navigation links
<article>: Represents a loosely coupled unit of information that can be transported and reused alone.
<footer>: Defines the footer of a section or webpage.

<aside>: Represents content that is peripherally related to the content surrounding it.

Q) What are the key principles of responsive web design? How do CSS media queries contribute to creating responsive layouts?

Ans) The three main principles of responsive web design are flexible grids, flexible images and media queries. Fluid grids let content fit different screen sizes, flexible images resize with the viewport size, and media queries apply different styles depending on the device characteristics, for example, screen width, height or orientation.

CSS media queries are conditional statements which enable developers to apply certain rules of CSS depending on screen size, resolution or orientation. They fill the role of targeting different device breakpoints and altering the design to create responsive layouts.

Q) Describe a situation where you had to debug and troubleshoot issues in a web development project. How did you identify the problem, and what steps did you take to resolve it?

Ans) Debugging and troubleshooting are usual in a web development project. A typical case would be where an element is not displayed as supposed. I would diagnose the issue by inspecting the page with browser developer tools to check the HTML structure and CSS styles applied to the elements. Through the code analysis and seeing different styles and layouts I can see where the problem is. After that I would try to alter the CSS rules, doing various attempts until I would achieve the wanted layout.

Q) How do you stay updated on the latest trends and technologies in web development? Can you provide examples of resources or communities you follow for learning and networking?

Ans) To stay updated on the latest trends and technologies in web development, I rely on various online resources, including:A choice to be done is suggested by the course of events.

Blogs and tutorials from industry experts like Smashing Magazine, CSS-Tricks and A List Apart .

Online communities like Stack Overflow, r/webdev on Reddit, and GitHub discussions.

Docs and blogs from technology vendors for instances, Mozilla Developer Network (MDN) and Google Developers.

Social media sites such as Twitter and LinkedIn, where I follow web development professionals and companies that I keep updated about news and trends.

Online courses and webinars from platforms like Coursera, Udemy, and web development dedicated YouTube channels.