

Web Development (HTML + CSS + JS + jQuery + AJAX) Top 25 One-Liner Interview Q&A

1. What is HTML? – The markup language used to structure web content.
2. What is semantic HTML? – Using meaningful tags like `<header>`, `<article>`, `<footer>` for clarity and SEO.
3. Difference between id and class? – id is unique; class can be reused on multiple elements.
4. What is the DOM? – A tree-like representation of the page that JavaScript can read and modify.
5. What is the difference between defer and async? – defer preserves order and runs after parsing; async runs ASAP and may break order.
6. What is CSS? – A styling language that controls layout, colors, spacing, and responsiveness.
7. What is the box model? – Content + padding + border + margin define element sizing and spacing.
8. What is specificity in CSS? – The rule system that decides which styles override others.
9. Flexbox vs Grid? – Flexbox is best for 1D layouts (row/column); Grid is best for 2D layouts.
10. What is responsive design? – Designing UIs to adapt to different screen sizes using fluid layouts and media queries.
11. What are media queries? – CSS rules that apply styles based on device/screen conditions (e.g., width).
12. What is JavaScript? – A language that adds interactivity and logic to web pages.
13. var vs let vs const? – var is function-scoped; let/const are block-scoped, const can't be reassigned.
14. What is hoisting? – JS behavior where declarations are moved to the top of their scope during compilation.
15. What is a closure? – A function that remembers and accesses variables from its outer scope.

16. What is event bubbling? – Events propagate from the target element up to its ancestors.
17. What is event delegation? – Handling events at a parent element to manage dynamic child elements efficiently.
18. What is a Promise? – An object representing the eventual success/failure of an async operation.
19. async/await vs Promises? – async/await is syntactic sugar that makes Promise-based code easier to read.
20. What is JSON? – A lightweight data format commonly used for API communication.
21. What is jQuery? – A library that simplifies DOM manipulation, events, and AJAX with shorter syntax.
22. How do you select an element in jQuery? – Use `$()` with CSS selectors (e.g., `$('#id')`, `$('.class')`).
23. What is AJAX? – Asynchronous requests to the server without reloading the page.
24. AJAX vs Fetch API? – AJAX is a concept; Fetch is a modern built-in JS API to implement it.
25. What is CORS? – A browser security rule controlling cross-origin requests, managed by server headers.