

## TOP 50 HTML INTERVIEW QUESTIONS & ANSWERS

### 1. What is HTML?

HTML (HyperText Markup Language) is the standard language used to create web pages.

### 2. What is the latest version of HTML?

HTML5 is the latest major version.

### 3. What is a tag in HTML?

A tag is a markup element used to define structure and content (e.g., `<p>`, `<div>`).

### 4. What are void elements?

Elements that do not require closing tags (e.g., `<br>`, `<img>`).

### 5. Difference between `<div>` and `<span>`?

`<div>` is block-level; `<span>` is inline.

### 6. What is semantic HTML?

Using meaningful tags like `<header>`, `<nav>`, `<footer>`.

### 7. What is `<!DOCTYPE html>`?

Declares document type and ensures standards mode.

### 8. What is the `<meta>` tag used for?

Defines metadata like charset, viewport, keywords.

### 9. What are attributes in HTML?

Properties added to tags (e.g., class, id, href).

### 10. What is the difference between id and class?

`id` = unique; `class` = reusable.

### 11. What is the `<iframe>` tag?

Embeds another webpage inside the current page.

### 12. What is the `<canvas>` tag?

Used for drawing graphics via JavaScript.

### 13. What is `localStorage`?

Stores data in browser permanently.

14. What is sessionStorage?

Stores data temporarily (deleted on tab close).

15. What is the difference between <script> async and defer?

async loads independently; defer loads after HTML is parsed.

16. What is the alt attribute in images?

Alternative text for accessibility and SEO.

17. What is the purpose of <link>?

Links external resources like CSS.

18. What is the <form> tag?

Used to collect user input.

19. What is the purpose of <fieldset>?

Groups related form controls.

20. What is the <legend> tag?

Provides a caption for fieldset.

21. Difference between GET and POST in forms?

GET is visible in URL; POST is hidden and secure.

22. What is the autocomplete attribute?

Enables or disables autocomplete in forms.

23. What is the <details> tag?

Creates expandable content.

24. What is the <summary> tag?

Title for <details> element.

25. What is the <audio> tag?

Embeds sound content.

26. What is the <video> tag?

Embeds video content.

27. What are data-\* attributes?

Custom attributes in HTML5.

28. What is responsive design in HTML?

Adapts layout to screen sizes.

29. What is the viewport meta tag?

Controls scaling on mobile devices.

30. What is a favicon?

Small icon shown in browser tab.

31. What does the <strong> tag do?

Indicates strong importance (bold).

32. What does the <em> tag do?

Emphasizes text (italic).

33. What is nesting in HTML?

Placing one element inside another.

34. What is DOM?

Document Object Model — tree representation of HTML.

35. What is the <noscript> tag?

Content to show when JavaScript is disabled.

36. What is HTML entity?

Special characters like &nbsp;, &lt;, &gt;.

37. What is the tabindex attribute?

Controls keyboard navigation order.

38. What is ARIA in HTML?

Accessibility attributes for assistive tech.

39. Difference between block and inline elements?

Block takes full width; inline takes only required space.

40. What is <template> tag?

A container for HTML that is not rendered until used.

41. What is <picture> tag?

Advanced responsive images.

42. What is lazy loading in images?

Defers image loading until visible: loading="lazy".

43. What is <source> tag used for?

Defines multiple media sources (audio/video/picture).

44. What is HTML validation?

Checking code using W3C validator.

45. What is <progress> tag?

Displays task progress.

46. What is <meter> tag?

Displays scalar measurement (e.g., temperature).

47. Can we use multiple <header> tags?

Yes, per section.

48. What is the lang attribute?

Defines document language.

49. Why use semantic tags?

Improves SEO and accessibility.

50. What is the <main> tag?

Defines primary page content.