

1. What is HTML?

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

2. What are tags in HTML?

Answer: Tags are used to mark up the start and end of HTML elements. They are enclosed in angle brackets < >.

3. What is the difference between HTML and HTML5?

Answer: HTML5 is the latest version of HTML with new elements like <video>, <audio>, <canvas>, and APIs for better multimedia and graphic capabilities.

4. What is the <doctype> declaration in HTML?

Answer: It informs the browser about the version of HTML used in the document. For HTML5, it is <!DOCTYPE html>.

5. What are attributes in HTML?

Answer: Attributes provide additional information about HTML elements, usually defined within the opening tag, like id, class, src, etc.

6. What is the difference between block-level and inline elements?

Answer: Block-level elements (e.g., <div>, <p>) take up the full width and start on a new line. Inline elements (e.g., , <a>) take up only as much width as necessary and do not start on a new line.

7. What is the purpose of the <meta> tag?

Answer: The <meta> tag provides metadata about the HTML document, like character encoding, author, and description, often used for SEO purposes.

8. What is a semantic element in HTML?

Answer: Semantic elements clearly describe their meaning in a human- and machine-readable way, such as <header>, <footer>, <article>, and <section>.

9. What is the difference between <div> and ?

Answer: <div> is a block-level element used for larger sections of the page, while is an inline element used for styling small parts within a text.

10. What is the role of the <head> element?

Answer: The <head> element contains meta-information about the HTML document, such as the title, links to stylesheets, and metadata.

11. How do you create a hyperlink in HTML?

Answer: Using the <a> tag with the href attribute: Link text.

12. What is the use of the <alt> attribute in an image tag?

Answer: It provides alternative text for an image if the image cannot be displayed. It is also useful for screen readers.

13. What is the difference between and tags?

Answer: defines an ordered list (numbered), while defines an unordered list (bulleted).

14. What is the purpose of the <form> element in HTML?

Answer: The <form> element is used to create a form for collecting user input.

15. What are HTML entities?

Answer: HTML entities are used to display reserved characters in HTML, such as < for <, > for >, and & for &.

16. What is the <iframe> tag used for?

Answer: The <iframe> tag is used to embed another HTML page within the current page.

17. What is the role of the <title> tag?

Answer: The <title> tag sets the title of the HTML document, which appears in the browser's title bar or tab.

18. What is the difference between id and class attributes?

Answer: The id attribute is unique and can only be used once per page, while class can be used multiple times on a page for similar elements.

**19. What is the use of the
 tag?**

Answer: The
 tag inserts a line break in the text, without starting a new paragraph.

20. What is a self-closing tag?

Answer: A self-closing tag is an HTML tag that doesn't require a closing tag, like , <hr />, and
.

21. What is the purpose of the <link> tag?

Answer: The <link> tag is used to link external resources, such as stylesheets, to the HTML document.

22. What is the difference between the and tags?

Answer: simply makes the text bold without implying importance, while emphasizes importance along with bold formatting.

23. How do you comment in HTML?

Answer: HTML comments are enclosed within <!-- and -->.

24. What is the <nav> element used for?

Answer: The <nav> element defines navigation links, typically used for a site's main menu or a list of internal links.

25. What is the purpose of the <section> element?

Answer: The <section> element is used to group related content within a web page, typically with its own heading.

26. What is the difference between the and <i> tags?

Answer: <i> italicizes text without adding emphasis, while italicizes and adds semantic emphasis to the content.

27. What is the use of the <aside> tag?

Answer: The <aside> tag is used to define content that is tangentially related to the main content, often used for sidebars or extra information.

28. How do you embed a video in HTML?

Answer: Using the <video> tag:

Code-

```
<video controls> <source src="video.mp4" type="video/mp4"> </video>
```

29. What is the purpose of the <footer> tag?

Answer: The <footer> tag defines the footer for a section or document, usually containing copyright info, author details, or related links.

30. What is the viewport and how do you set it in HTML?

Answer: The viewport is the visible area of a web page. You can set it using the <meta> tag for responsive design:

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```