

## HTML Interview Questions

### Basic HTML

1. What is DocType in HTML ?

The DOCTYPE declaration specifies the HTML version being used and helps browsers to render the page correctly.

2. Name a few tags in HTML which do not need a closing tag ?

`img`, `<br>`, `<hr>`, `<input>`, `<meta>`

3. What is metadata in an HTML document and which tag is used for the same ?

Metadata in an HTML document refers to information about the document itself.

The `<meta>` tag is commonly used to include metadata in an HTML document.

4. How can we open another document in a HTML page?

You can use the `<a>` (anchor) tag with the `href` attribute set to the URL of the target document

5. Explain the difference between `<div>` and `<span>` tags

`<div>` is a block-level element used for grouping and structuring content, while

`<span>` is an inline element used for styling a specific portion of text.

6. What is the purpose of the `alt` attribute in the `<img>` tag?

The `alt` attribute provides alternative text for an image, which is displayed if the image cannot be loaded. It also aids accessibility by providing a description of the image for screen readers.

7. How to create a hyperlink in the HTML page ?

`<a href="https://www.example.com">Visit Example.com</a>`

8. What is the purpose of the `<iframe>` tag?

The `<iframe>` tag is used to embed another document within the current HTML document. It is commonly used to embed videos, maps, or other external content.

9. How does the `<picture>` element differ from the `<img>` element?

`<img>` element is used to embed a single image, the `<picture>` element allows for the inclusion of multiple `<source>` elements, each specifying a different image source. The browser selects the most appropriate source based on the conditions specified within the `<source>` elements.

10. Describe the role of the `<input>` element in HTML forms. What are some common types of `<input>` elements used in forms?

Common types include text, password, email, checkbox, radio, file, submit, reset, and button.

11. Explain the `placeholder` attribute and its use in HTML form fields.

12. What is the purpose of the `<label>` element in HTML forms?

13. How do you create radio buttons in HTML forms?

14. How can you create a file upload input field in HTML?

15. How can you create a table in HTML?

Tables are created using the `<table>`, `<tr>` (table row), `<td>` (table data), and `<th>` (table header) elements.

16. Name some features of HTML5 ?

Simple doctype and syntax

Semantic elements

LocalStorage

Geolocation

Websockets

Drag Drop

Web workers

17. Name a few semantic elements in HTML5 ?

Semantic HTML refers to using HTML elements that carry meaning about the structure and content of the document. Examples include `<header>`, `<nav>`, `<article>`, `<footer>`, etc.

18. How to insert a comment in HTML code ?

`<!-- and -->` tags

### **Good to know to stand out**

**1. What is a canvas ?**

The `<canvas>` element provides a drawing surface on which you can use JavaScript to create dynamic graphics, animations, and interactive content.

```
<canvas id="myCanvas" width="400" height="200"></canvas>
```

**2. What is an SVG ?**

SVG stands for Scalable Vector Graphics

SVG images can be scaled to any size without losing quality, making them particularly well-suited for responsive web design and various applications.

**3. What is a web worker ?**

A web worker is a JavaScript feature introduced by the HTML5 specification that enables the execution of scripts in the background, separate from the main thread of a web page. The main purpose of web workers is to perform tasks that are computationally intensive, time-consuming, or involve continuous processing without blocking the user interface.

**4. Name a few media elements in HTML5 ?**

The `<audio>` element is used to embed audio content in a web page.

The `<video>` element is used to embed video content in a web page.

The `<embed>` element is a general-purpose container for external content, including multimedia.

## 5. What is Web storage in HTML5?

Web Storage is a web storage solution introduced in HTML5 to provide a way for web applications to store data persistently on the client side. There are two types of web storage: `localStorage` and `sessionStorage`.

`localStorage` allows web applications to store data with no expiration time. The data will persist even after the browser is closed and reopened.

`sessionStorage` allows web applications to store data for the duration of the page session. The data is accessible only within the same tab or window and is cleared when the tab or window is closed.