

# Top 15 HTML Interview Questions with Answers & Examples

## 1. What is HTML and what are its key features?

HTML (HyperText Markup Language) is used to structure content on the web.

Example:

```
<h1>Welcome</h1>
<p>This is a paragraph.</p>
```

## 2. What is the difference between HTML and HTML5?

HTML5 is the latest version, with new semantic tags, multimedia support, and APIs.

Example:

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

## 3. What are semantic HTML elements?

They describe the meaning of content (e.g., <article>, <section>).

Example:

```
<article>
  <h2>Blog Post</h2>
  <p>Content here...</p>
</article>
```

## 4. Difference between id and class?

id is unique, class can be reused.

Example:

```
<div id='header'></div>
<div class='box'></div>
```

## 5. How do you make a website accessible using HTML?

Use semantic tags, alt attributes, and ARIA roles.

Example:

```
<img src='dog.jpg' alt='A smiling dog'>
<button aria-label='Close'>X</button>
```

## 6. Difference between <script>, <link>, and <style>?

<script>: JavaScript, <link>: CSS file, <style>: internal CSS.

Example:

```
<link rel='stylesheet' href='styles.css'>
```

```
<script src='main.js'></script>
```

```
<style>body { color: black; }</style>
```

## 7. What is the meta tag used for?

Provides metadata like charset, viewport.

Example:

```
<meta charset='UTF-8'>
```

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

## 8. Difference between block-level and inline elements?

Block: full width (<div>, <p>), Inline: flows with text (<span>, <a>).

## 9. Difference between <div> and <span>?

<div> is block-level, <span> is inline.

Example:

```
<div>This is a block</div>
```

```
<span>This is inline</span>
```

## 10. Purpose of <!DOCTYPE html>?

Declares the document type and triggers standard mode in browsers.

## 11. HTML5 audio/video support?

Uses <audio> and <video> tags.

Example:

```
<audio controls>
```

```
<source src='sound.mp3' type='audio/mpeg'>
```

```
</audio>
```

## 12. Difference between rel='noopener' and rel='noreferrer'?

noopener prevents access to window.opener; noreferrer hides referrer.

Example:

```
<a href='https://example.com' target='_blank' rel='noopener noreferrer'>Visit</a>
```

## 13. What are data attributes in HTML?

Custom attributes used to store data.

Example:

```
<div data-user-id='42'></div>
```

```
<script>
```

```
const id = document.querySelector('div').dataset.userId;
```

```
</script>
```

#### **14. What is lazy loading in HTML?**

Delays loading until element is visible.

Example:

```
<img src='image.jpg' loading='lazy' alt='Lazy Image'>
```

#### **15. Form elements and validation types?**

Use input types and attributes like required, pattern.

Example:

```
<form>
```

```
  <input type='email' required>
```

```
  <input type='text' pattern='[A-Za-z]{3,}'>
```

```
</form>
```