

# Training Day 7 Report

4 July 2025

## TYPES OF TAGS IN HTML

HTML tags are mainly classified into:

- Block-level elements
- Inline elements

### 1. BLOCK-LEVEL ELEMENTS

Block-level elements take up the full width available and always start on a new line.

## Properties

1. Occupy full width of the container.
2. Start on a new line.
3. Can contain other block-level and inline elements.
4. Commonly used to structure layout and sections.

TAG	DESCRIPTION
<div>	Generic container
<p>	Paragraph
<h1>	Heading
<section>	Thematic
<header>	Header section of a page
<footer>	Footer section of a page
<article>	Self-contained content block

### Example Code:

```
<div>
  <h1>Welcome</h1>
  <p>This is a paragraph inside a block-level div.</p>
</div>
```

## 2. INLINE ELEMENTS

Inline elements do not start on a new line and only take up as much width as needed.

### Properties

1. Sit within a line, next to other inline elements.
2. Do not break the flow of text.
3. Can only contain text or other inline elements.
4. Commonly used for formatting parts of text.

TAG	DESCRIPTION
<b>	Bold text
<i>	Italic text
<strong>	Important text (bold)
<em>	Emphasized text (italic)
<span>	Generic inline container
<a>	Anchor / link
<img>	Image

#### Example Code:

```
<p>This is a <b>bold</b> and <i>italic</i> word inside a sentence.</p>
```

### SPECIAL TAGS

#### <div> Tag :-

A block-level element used for grouping and structuring content.

#### Use Cases:

1. Layout building
2. Grouping multiple elements
3. Styling sections using CSS
4. Interacting with JavaScript

#### Example:

```
<div style="background-color: lightgray; padding: 10px;">  
  <h2>About Us</h2>  
  <p>We are a web development team.</p>  
</div>
```

### **<span> Tag :-**

An inline element used to style small chunks of text.

### **Use Cases:**

1. Apply CSS styles to part of a sentence
2. Use with JavaScript for dynamic changes
3. Highlighting, coloring, or formatting text

### **Example:**

```
<p>This is <span style="color: red;">important</span> text.</p>
```

### **STRUCTURE TAGS TO KNOW**

These are also block-level elements used for semantic layout:

<b>TAG</b>	<b>PURPOSE</b>
<header>	Top of a section or page
<footer>	Bottom area, usually copyright, links
<section>	Logical grouping of related content
<article>	Independent piece of content
<main>	Main content of the page (unique content)

### **Example:**

```
<header>
  <h1>Website Title</h1>
</header>

<section>
  <h2>About</h2>
  <p>This is the about section.</p>
</section>

<footer>
  <p>&copy; 2025 Your Name</p>
</footer>
```