

# Lab Report

## Lab Report 1: HTML Tag Review

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### 1. `<html>`

**Description:** Root element of an HTML document.

**Attributes:** `lang`

```
<html lang="en">
```

**Outcome:** Declares the document as HTML and sets language for accessibility and SEO.

### 2. `<head>`

**Description:** Container for metadata.

```
<head>  
  <title>Café Delight</title>  
</head>
```

**Outcome:** Enables the title to appear on browser tab.

### 3. `<title>`

**Description:** Sets the title of the page.

```
<title>Café Delight</title>
```

**Outcome:** Title shows on browser tab.

### 4. `<meta>`

**Description:** Provides metadata.

**Attributes:** `charset` , `name` , `content`

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

**Outcome:** Ensures correct character encoding.

## 5. `<link>`

**Description:** Links external resources.

**Attributes:** `rel` , `href`

```
<link rel="stylesheet" href="style.css">
```

**Outcome:** Links CSS to the HTML file.

## 6. `<body>`

**Description:** Contains all visible page content.

```
<body>  
  <!-- content -->  
</body>
```

**Outcome:** Holds all displayable HTML elements.

## 7. `<h1>` - `<h6>`

**Description:** Header tags for text hierarchy.

```
<h1>Welcome to Café Delight</h1>
```

**Outcome:** Defines the main heading.

## 8. `<p>`

**Description:** Paragraph text.

```
<p>Our café offers the best coffee in town.</p>
```

**Outcome:** Structures text content.

## 9. `<a>`

**Description:** Anchor for hyperlinks.

**Attributes:** `href`, `target`

```
<a href="menu.html" target="_blank">View Menu</a>
```

**Outcome:** Adds navigation links.

## 10. `<img>`

**Description:** Embeds images.

**Attributes:** `src`, `alt`, `width`, `height`

```

```

**Outcome:** Displays item images.

## 11. `<table>`

**Description:** Creates a table.

```
<table></table>
```

**Outcome:** Structures item list.

## 12. `<tr>`

**Description:** Table row.

```
<tr></tr>
```

**Outcome:** Organizes rows of menu items.

### 13. `<td>`

**Description:** Table data cell.

```
<td>Cappuccino</td>
```

**Outcome:** Holds item details.

### 14. `<th>`

**Description:** Table header.

```
<th>Item</th>
```

**Outcome:** Adds headings to table.

### 15. `<ul>`

**Description:** Unordered list.

```
<ul><li>Milk</li><li>Sugar</li></ul>
```

**Outcome:** Lists ingredients.

### 16. `<ol>`

**Description:** Ordered list.

```
<ol><li>Step 1</li><li>Step 2</li></ol>
```

**Outcome:** Displays preparation steps.

### 17. `<li>`

**Description:** List item.

```
<li>Milk</li>
```

**Outcome:** Forms list entries.

## 18. `<div>`

**Description:** Generic container.

```
<div class="menu-item"></div>
```

**Outcome:** Groups content for layout.

## 19. `<span>`

**Description:** Inline container.

```
<span class="highlight">Hot</span>
```

**Outcome:** Stylizes part of text.

## 20. `<br>`

**Description:** Line break.

```
<br>
```

**Outcome:** Breaks lines in text.

## 21. `<hr>`

**Description:** Horizontal rule.

```
<hr>
```

**Outcome:** Adds a visual divider.

## 22. `<strong>`

**Description:** Bold text for importance.

```
<strong>Hot Offer!</strong>
```

**Outcome:** Highlights text semantically.

## 23. `<em>`

**Description:** Italic text for emphasis.

```
<em>Limited time only</em>
```

**Outcome:** Emphasizes content.

## 24. `<form>`

**Description:** Input form container.

```
<form action="submit.html"></form>
```

**Outcome:** Collects user input.

## 25. `<input>`

**Description:** Input field.

**Attributes:** `type`, `name`, `placeholder`

```
<input type="text" placeholder="Your name">
```

**Outcome:** Takes text input.

## 26. `<button>`

**Description:** Clickable button.

```
<button type="submit">Order Now</button>
```

**Outcome:** Submits form.

## 27. `<label>`

**Description:** Label for form fields.

```
<label for="name">Name:</label>
```

**Outcome:** Improves form accessibility.

## 28. `<iframe>`

**Description:** Embed other web content.

```
<iframe src="location.html"></iframe>
```

**Outcome:** Embeds maps or videos.

## 29. `<style>`

**Description:** Internal CSS.

```
<style>body { background: #fff; }</style>
```

**Outcome:** Adds styling without external file.

## 30. `<script>`

**Description:** Embeds JavaScript.

```
<script>alert('Welcome!');</script>
```

**Outcome:** Adds dynamic interactivity.

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