

HTML Tags Explanation & Notes

1. Introduction

This document explains the various HTML tags used in the provided code. It covers the purpose and functionality of each tag to help with future referencing.

2. HTML Structure & Explanation

a. Basic HTML Structure

```
<!DOCTYPE html>
```

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

- `<!DOCTYPE html>` → Declares the document as an HTML5 document.
- `<html lang="en">` → Specifies the language of the document (English in this case).

b. Head Section

```
<head>
```

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

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

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

```
<title>HTML TAGS</title>
```

```
</head>
```

- `<meta charset="UTF-8">` → Ensures correct text encoding (UTF-8 supports all characters and symbols).
- `<meta name="viewport" content="width=device-width, initial-scale=1.0">` → Makes the page responsive for different screen sizes.
- `<link rel="stylesheet" href="style.css"></link>` → Links an external CSS file (style.css) for styling.
- `<title>HTML TAGS</title>` → Sets the title of the webpage (visible in the browser tab).

c. Body Section & Tags Used

```
<body>
```

- The `<body>` tag contains all the visible content of the webpage.

d. Image Tag

```

```

- `` → Embeds an image.
- `src="image.png"` → Specifies the image file.
- `alt=""` → Alternative text (empty here, but should describe the image for accessibility).

- height="230" → Sets the height of the image.

e. Heading Tag

<h1>EMPLOYEE DETAIL</h1>

- <h1> → Defines a main heading (largest and most important heading tag).

f. Table Tag (Employee Details)

<table class="table">

- <table> → Defines a table.
- class="table" → Assigns a class for CSS styling.

Table Headers (Column Titles)

<tr>

<th>NAME</th>

<th>PROFESSION</th>

<th>FAVOURITE LANGUAGE</th>

</tr>

- <tr> → Defines a table row.
- <th> → Defines a table header (bold and centered by default).

Table Data Rows

<tr>

<td>PRIYANSH</td>

<td>PROGRAMMER</td>

<td>C++</td>

</tr>

- <td> → Defines a table data cell.

g. Unordered List (Bullet Points)

HTML

CSS

JAVASCRIPT

NODE JS

- → Creates an unordered list (bullets by default).

- `` → Defines each list item.

h. Ordered List (Numbered List)

```
<ol type="A">  
  
<li>PRIYANSH</li>  
  
<li>PIYUSH</li>  
  
<li>HARSH</li>  
  
<li>URVI</li>  
  
<li>RAGHAV</li>  
  
</ol>
```

- `<ol type="A">` → Creates an ordered list with alphabetical labels (A, B, C, ...).
- `` → Defines each item in the list.

i. Closing the Body and HTML Tags

```
</body>  
  
</html>
```

- `</body>` → Closes the body section.
- `</html>` → Closes the entire HTML document.

3. Summary

This document provides an in-depth explanation of the HTML tags used in the webpage. It covers:

- Basic structure (`<!DOCTYPE html>`, `<html>`, `<head>`, `<body>`).
- Metadata tags (`<meta>`, `<title>`, `<link>`).
- Content tags (`<h1>`, ``, `<table>`, ``, ``).
- Table elements (`<tr>`, `<th>`, `<td>`).
- List elements (``, ``, ``).

These tags are fundamental to structuring HTML webpages and can be used for future reference.
