

HTML Notes

Chapter 2: HTML Document Structure

1. <!DOCTYPE> Declaration

The <!DOCTYPE> declaration defines the document type and version of HTML. It must be placed at the very top of the HTML document.

Example:

1. Paired Tags (Container Tags)

- These tags have an **opening tag** and a **closing tag**.
- The closing tag has a **forward slash (/)** before the tag name.

They wrap content inside them.

2. Singular Tags (Self-closing Tags)

- These tags do **not** have a closing tag.
- They are **self-contained** and do not wrap any content.
- In **HTML5**, the / at the end is **optional** (e.g.,
 and are valid without /).

<!DOCTYPE html>

2. Basic Structure of an HTML Document

An HTML document consists of three main parts:

- **<html>**: The root element that wraps everything.
- **<head>**: Contains metadata, styles, and scripts.
- **<body>**: Contains visible content of the webpage.

Example:

3. The <html> Tag

It is the root element of an HTML document. All other elements are placed inside <html>.

Example:

```
<html>
  <!-- Head and Body go inside this -->
</html>
```

4. The <head> Section

The <head> tag contains information about the webpage, such as:

- Title of the page
- Meta tags

- Links to external stylesheets

- Links to scripts

Example:

```
<head>
  <title>My Website</title>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <meta name="description" content="This is a sample webpage">
</head>
```

5. Meta Tags

Meta tags provide information about the HTML document.

Example:

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

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

```
<meta name="description" content="This is a sample webpage">
```

6. The <title> and <base> Tags

The <title> tag defines the title of the webpage that appears on the browser tab.

The <base> tag defines the base URL for all relative links in the document.

Example:

```
<title>My Web Page</title>
<base href="https://example.com/">
```

7. The <body> Section

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

Example:

```
<body>
  <h1>Welcome!</h1>
  <p>This is a structured HTML page.</p>
</body>
```

8. Complete HTML Document Example

```
<!DOCTYPE html>
<html>
  <head>
    <title>Google</title>
    <link rel="icon" href="g.png">
  </head>
  <body>
  </body>
</html>
```