**2. The <html>, <head>, and <body> Elements**

**2.1. The <html> Element**

The <html> element is the root element of an HTML document. It encapsulates all the content of the page, including the head and body sections. Every HTML document must start with this element, and all other elements should be nested inside it.

**Syntax:**

html

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<html>

<!-- Content goes here -->

</html>

The <html> element should contain two main sections:

* **The <head> section**: Contains meta-information about the document, such as the title, character encoding, and links to external resources like CSS files and scripts.
* **The <body> section**: Contains the visible content of the page, such as text, images, videos, and other elements.

**2.2. The <head> Element**

The <head> element is used to contain meta-information about the HTML document. It does not display any content on the page itself, but it provides important information for the browser and search engines.

**Commonly Used Elements Inside <head>:**

* **<meta>**: Specifies metadata like character encoding or author information.
* **<title>**: Defines the title of the page, which appears in the browser's title bar or tab.
* **<link>**: Used to link external resources, such as stylesheets or favicons.
* **<style>**: Contains internal CSS styles for the document.
* **<script>**: Defines external or inline JavaScript code.

**Example:**

//<head>

<meta charset="UTF-8"> <!-- Specifies character encoding -->

<meta name="author" content="John Doe"> <!-- Author of the page -->

<title>My First HTML Page</title> <!-- Title of the page -->

<link rel="stylesheet" href="styles.css"> <!-- External stylesheet -->

</head>

//

* **<meta charset="UTF-8">**: Specifies the character encoding for the document. UTF-8 is the most common encoding for modern web pages, supporting a wide range of characters.
* **<meta name="author" content="John Doe">**: This provides information about the author of the webpage, which is not typically visible to users but can be useful for search engines.
* **<title>**: The content inside the <title> tag is displayed in the browser tab.

**2.3. The <body> Element**

The <body> element contains the actual content that will be visible to the user. This includes all the elements like text, headings, images, links, and other HTML elements.

**Example:**

//

<body>

<h1>Welcome to My First Webpage</h1>

<p>This is a simple webpage with some basic HTML structure.</p>

</body>

//

* The <h1> tag represents the main heading on the page.
* The <p> tag is used for a paragraph of text.

Everything inside the <body> is what the users see when they visit the webpage.

**Key Points to Remember:**

* The <html> element wraps the entire HTML document, including both the head and body sections.
* The <head> element contains metadata and links to external resources, such as CSS files and scripts, and the title of the document.
* The <body> element holds the visible content that users interact with, such as headings, paragraphs, images, and links.