Web Design using Dreamweaver

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Fundamentals of Web and Dreamweaver

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```html
<!DOCTYPE html>

<html  lang="en">

<head>

        <meta charset="UTF-8">

        <title>Title of the document</title>

</head>

<body>

        Content of the document......

</body>

 </html>
```

```
<!DOCTYPE html>
<html>
<head>

    <title>My First Webpage</title>
    <meta charset="UTF-8">


</head>
<body>
```

- Simpler DOCTYPE declaration.
  - <!DOCTYPE html>
  - tells the browser to use the latest HTML standards. browser renders the page in standards mode. version of HTML being used

- The character encoding (charset) declaration
  - <meta charset="UTF-8">
  - *Unicode Transformation Format*
  - The default character encoding in HTML5 is UTF-8.

- No more self closing syntax.

Basic HTML tags

Tag format

Tag	Description
`<!DOCTYPE html>`	Declares the HTML version/type (HTML5).
`<html>`	Root element of an HTML document.
`<head>`	Contains metadata (not shown on page).
`<title>`	Sets the title shown in the browser tab.
`<body>`	Contains the content shown on the webpage.
`<h1>` to `<h6>`	Headings (`<h1>` is largest, `<h6>` is smallest).

Basic HTML tags

`<p>`	Paragraph of text.
`<a>`	Anchor tag for hyperlinks.
`<img>`	Embeds an image.
` `	Line break (empty tag).
`<hr>`	Horizontal rule (line separator).
`<strong>`	Bold text (semantic).
`<em>`	Italic text (semantic).
`<ul>`	Unordered list.
`<ol>`	Ordered list.
`<li>`	List item (used inside `<ul>` or `<ol>`).

- Tag format:
  - ✓ Opening tag: `<body>`

  - ✓ Closing tag: `</body>`

- The opening tag and its closing tag together specify a container for the *content* they enclose

- The **container** and its **content** together are called an *element*

- Not all tags have content

Self-closing tags do **not require a closing tag**. They represent elements that don't have content between an opening and closing tag.

Example:

Tag	Description
 	Line break (starts a new line)
<hr>	Horizontal rule (inserts a horizontal line)
<img>	Embeds an image
<input>	Input field for forms
<link>	Links external files (like CSS)

In **HTML5**, self-closing tags do **not** require a slash like
 — just <br> is enough.

Example:

```
<html>
<head>
    <title>Self-Closing Tags Example</title>
</head>
<body>

    <h1>WelCome  to PES University</h1>

    <p>This is my first program  <br>  by Rajani</p>

    <hr>

    <h2>Thank you</h2>

</body>
</html>
```

- If a tag has **attributes**, they appear between its name and the right bracket of the opening tag.

  Example: **<p align="right"> ----- </p>**

- Comment form: `<!-- ... -->`
- <!-- This is a comment -->

- Browsers ignore comments, unrecognizable tags, line breaks, multiple spaces, and tabs.

- HTML5 allows four different syntax for attributes.

  This example demonstrates the different syntax used in an <input> tag:

Example

- Empty **<input type="text" value="John" disabled>** it cannot be interacted with by the user.

- Unquoted **<input type="text" value=John>** valid HTML but not recommended, unexpected results or errors in different contexts.

- Double-quoted **<input type="text" value="Giya George">** most common and recommended

- HTML5 allows four different syntax for attributes.

  This example demonstrates the different syntax used in an <input> tag:

Example:

- Single-quoted **<input type="text" value='Giya George'>** valid in HTML and preferred is double quotes.

- In HTML5, all four syntaxes may be used, depending on what is needed for the attribute.

<html>

The root element of an HTML document. It encloses all other HTML elements.

<head>

Contains meta-information about the document, such as the title, character encoding, and links to stylesheets or scripts.

<body>

text, images, and links.

<h1> to <h6>

<p>

 Visit Example

unordered (bulleted) and ordered (numbered) lists,

```
<ul>
  <li>Item 1</li>
  <li>Item 2</li>
</ul>


<ol>
  <li>First</li>
  <li>Second</li>
</ol>
```

<tr> (table rows), <th> (table headers), and <td> (table data cells).

```
<table>
  <tr>
    <th>Header 1</th>
    <th>Header 2</th>
  </tr>
  <tr>
    <td>Data 1</td>
    <td>Data 2</td>
  </tr>
</table>
```

THANK YOU

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