

Introduction to HTML

Building Blocks Of HTML Coding

Tags and their attributes; attributes and their values.

Tags

Tags are keywords of coding vocabulary, which act as the native language to the web browser. Web browser understands these keywords and brings out the desired output on its page. Much alike how we understand Hindi, English keywords your teacher uses to assign you a task, and after comprehending them we indulge in actions to complete the task, with expected output.

Grammar rules to write these keywords: Tags contain an opening and a closing tag (few exceptional tags do not require a closing tag). Opening Tags are written inside '<' and '>' brackets. Closing tags are written inside '<' and '>' along with a '/'. E.g. `<html>` and `</html>`

Attributes

Attributes are entities to add an extra flavour to tags for enhancement of the output produced by the tags. Eg. your teacher asks you to submit an assignment on Data Structures, but also adds that you should use different colored sheets for different chapters like linked list, arrays, algorithms etc., these colored sheets act as attributes to the tag of making an assignment.

E.g. attributes are written along-side tagname with a space in between `<textarea disabled>`

Values

Values are, what type of enhancements do we need to embed to our output. For an instance, teacher has told you to use colored sheets for different chapters but what colors you will choose to make the assignment forms the part of values to attributes.

E.g. values are written after attribute name with an = in between and inside quotes " or ' `<textarea disabled="true">`

Typography Tags

- `<p></p>` : This is a paragraph tag used to code text type of content for the web browser.
- `<label></label>` : This is a label tag used to code text type of content, especially the descriptions for the form fields, for the web browser.
- `<h1></h1>` to `<h6></h6>` : This is a paragraph tag used to code text type of content, especially the headings and sub headings, for the web browser.
- `` : This is a tag used to code text type of content, inline in nature, for the web browser.

- `<i></i>` or `` : This is an italics/emphasis tag used to format the style of content, making it appear italicized in nature. This also forms a part of formatting tags. Both the tags visually appear to have same effect on the browser but for website translating speech programs, the tone of text changes for 'em' tag.
- `` and `` : This is a bold tag used to format the style of content, making it appear bold in nature. This also forms a part of formatting tags. Both the tags visually appear to have same effect on the browser but for website translating speech programs, the tone of text changes for 'strong' tag.
- `<u></u>` : This is an underline tag used to format the style of content, making it appear underlined in nature. This also forms a part of formatting tags.
- `<mark></mark>` : This is a mark tag used to format the style of content, making it appear highlighted in nature. This also forms a part of formatting tags.

Semantic Tags

- `<header></header>` : This is a header tag used to wrap structure of header, for any webpage/website.
- `<footer></footer>` : This is a footer tag used to wrap structure of header, for any webpage/website.
- `<section></section>` : This is a section tag used to wrap sections of the webpage/website apart from header or footer.
- `<article></article>` : This is an article tag used to wrap textual content of the webpage/website.
- `<aside></aside>` : This is an aside tag used to wrap content aligned to corners of the webpage/website.
- `<main></main>` : This is a main tag used to wrap content of specific and relevant importance for the webpage/website.
- `<thead></thead>` : This is a table head tag used to wrap content of a table headers.
- `<tbody></tbody>` : This is a table body tag used to wrap content of a table body.
- `<figure></figure>` and `<figcaption></figcaption>` : This is a figure tag used to wrap content of image media placed on a webpage/website, figcaption is a sub-tag to wrap caption of the image in it.