

Document Object Model (DOM) Tree :

The hierarchy and structure of HTML elements, often used for targeting elements in CSS and Javascript.

Basic syntax example:

```
<article>
  <h1>This is a headline.</h1>
  <p>This is the first paragraph</p>
  <p>This is second paragraph which has <em>emphasized text.</em></p>
</article>
```

Headlines: <h1>, <h2>....., <h6>.

Italics : <i> and

Bold : (for importance, seriousness, urgency), (just Bold)

Lists : This is a list item
 This is Unordered list
 This is Ordered list

Definition lists :

```
<dl>
  <dt>term</dt>
  <dd>definition</dd>
  <dd>additional definition</dd>
</dl>
```

Quotes :

```
<blockquote>
<p>Type your quote here</p>
<cite>- Author's name here </cite>
</blockquote>
```

Use <q> element for quotation marks instead of just typing “”.

Dates and times :

Use <time> so that computer understands what date or time it is like this:
<time datetime="2025-05-08">May 8, 2025</time>

HTML attributes general syntax :

```
<element attributename=" "></element>
```

Code elements :

`<code>{color: green;}</code>`

`<code> <H4></code>`

Line breaks : `
` (No closing required)

Pre element (Just printing everything as it is typed) : `<pre>`

Subscripts : ``

Superscripts : ``

If you are writing Math on HTML then try using MathML (Math Markup language) instead of HTML.

For texts with little importance : `<small></small>`

Useful Global Attributes (Can be applied to any HTML element):

1. **The class Attribute :** Allows us to target all elements with that class in our CSS or Javascript.

Eg : `<p class="intro"> This is introduction </p>`

2. **The id Attribute :** Allows us to target a unique element with that id in our CSS or Javascript.

Eg: `<p class="intro" id = "article-intro"> This is the introduction </p>`

3. **Editable content :**

`<blockquote contenteditable="true">`

Edit and add your own words.</blockquote>

4. Language attribute:

`<p lang="en-GB">This paragraph is in British English</p>`

5. **Direction attribute:**

`<p dir="ltr">This paragraph flows from left to right</p>`

ARIA Roles: HTML attributes that provide accesible info about that specific element

`<h1 aria-label="Hello World">`

`<div class="grid" aria-hidden="true">`

Comments: <!-- Part to be commented -->

HTML Entities :

Entity	Character
<	<
>	>
&	&

©	Copyright symbol
™	Trade Mark symbol
☆	Star symbol

 	Non breaking space b/w text
--------	-----------------------------