



HTML Tag, Elements and Attribute





Topics Covered

- Tag and Element
- Common Tags
- Introduction to Attributes
- Common Tag Attributes



Element and Tag

Element represents most basic component of an HTML document, which can represent

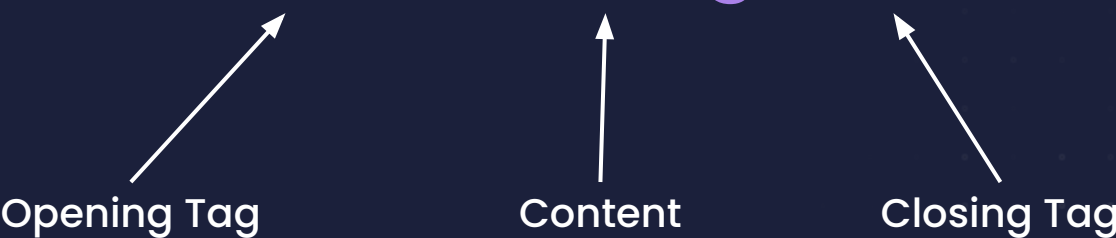
- Text
- Paragraph
- List
- or any other content in a web page.

Tags are used to define elements in an HTML document.



Defining Element

<div>Div Tag</div>



Syntax For Defining HTML Element



Self Closing Tag

`
`

``

`<input/>`

`<hr/>`

No Need of Closing Tag



Common Tags - Heading

Normal Text

`<h1>`The Heading`</h1>` → **The Heading**



Levels of Heading

<h1>Heading Level 1</h1>

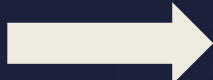
<h2>Heading Level 2</h2>

<h3>Heading Level 3</h3>

<h4>Heading Level 4</h4>

<h5>Heading Level 5</h5>

<h6>Heading Level 6</h6>



Heading Level 1

Heading Level 2

Heading Level 3

Heading Level 4

Heading Level 5

Heading Level 6



Wiki Page Example

HTML element

ArticleTalk

ReadEditView historyTools

From Wikipedia, the free encyclopedia

This article is about the HTML elements in general. For information on how to format Wikipedia entries, see [Help:Wiki markup](#) and [Help:HTML in wikitext](#).

"nabr" redirects here. For the chemical compound NOBr, see [Nitrosyl bromide](#).

"Font color" redirects here. For OpenType fonts featuring multicolored glyphs, see [OpenType § Color fonts](#).

An **HTML element** is a type of [HTML](#) (HyperText Markup Language) document component, one of several types of HTML nodes (there are also text nodes, comment nodes and others).^[*vague*] The first used version of HTML was written by [Tim Berners-Lee](#) in 1993 and there have since been many versions of HTML. The most commonly used version is HTML 4.01, which became official standard in December 1999.^[1] An HTML document is composed of a [tree](#) of simple HTML [nodes](#), such as text nodes, and HTML elements, which add [semantics](#) and formatting to parts of document (e.g., make text bold, organize it into paragraphs, lists and tables, or embed [hyperlinks](#) and images). Each element can have [HTML attributes](#) specified. Elements can also have content, including other elements and text.

Concepts

[edit]

Elements vs. tags

[edit]

As is generally understood, the position of an element is indicated as spanning from a start tag and is terminated by an end tag.^[2] This is the case for many, but not all, elements within an

HTML

Dynamic HTML · HTML5 (article · audio · canvas · video) · XHTML (Basic · Mobile Profile) · **HTML element** (meta · div and span · blink · marquee) · HTML attribute (alt attribute) · HTML frame · HTML editor · Character encodings (named characters · Unicode) · Language code · Document Object Model · Browser Object Model · Style sheets (CSS) · Font family · Web colors · JavaScript (WebGL · WebCL) · W3C (Validator) · WHATWG · Quirks mode · Web storage · Rendering engine

Comparisons

Document markup languages · Comparison of browser engines

V · T · E



Common Tags – Paragraph

<p>

PW Skills is the result of a continual effort to exponentially increase the employability of every Indian, irrespective of their socioeconomic status.

</p>



PW Skills is the result of a continual effort to exponentially increase the employability of every Indian, irrespective of their socioeconomic status.



Common Tags – Div

Creates a **Container**

Group Other **Elements**

```
<div>  
  <h1>Header</h1>  
  <p>This is a paragraph of text.</p>  
</div>
```




Tags to Study

Tag Class	Tags	Description
Formatting Text	, <s>, <i>, <u> etc.	For text formatting, Bold , Strikethrough , <i>Italic</i> , <u>Underline</u>
Hyperlinks	<a>	Insert hyperlinks to interlink pages.
Table	<table>, <tr>, <td>, <th> etc.	To arrange data in rows and columns
Lists	, 	To arrange data in the form of a list.
Forms	<form>, <input> etc.	To take input from the user and submit it to the server.
Embed Media	, <audio>, <video> etc.	To include media in HTML doc.
Structuring Tags	<div>, <nav>, <header>, <main>, <section> etc.	To give the web page a structure.



Introduction to Attribute

```
<p id="main"></p>
```

Extending **HTML** Element Behaviour



Common Tag Attributes

Id Attribute

```
<div id="price-1">Rs 399</div>
```

Identifies Element Uniquely



Common Tag Attributes

class attribute

```
<div class="content popup"></div>
```

Allows to assign multiple CSS classes



Common Tag Attributes

style Attribute

```
<div style="color:red"></div>
```

Apply Inline CSS styles



Common Tag Attributes

Multiple HTML Attribute

```
<p id="para" class="main"></p>
```



Always Put **Space** between two attributes



▶ THANK YOU ◀