**HTML**

Tim Burners Lee is the founder of HTML in year 1991 . HTML-5 in 1995

## What is HTML?

HTML is the standard markup language for creating Web pages.

* HTML stands for Hyper Text Markup Language
* HTML describes the structure of a Web page
* HTML consists of a series of elements
* HTML elements tell the browser how to display the content
* HTML elements are represented by tags
* HTML tags label pieces of content such as "heading", "paragraph", "table", and so on
* Browsers do not display the HTML tags, but use them to render the content of the page

### Example Explained

* The <!DOCTYPE html> declaration defines this document to be HTML5
* The <html> element is the root element of an HTML page
* The <head> element contains meta information about the document
* The <title> element specifies a title for the document
* The <body> element contains the visible page content
* The <h1> element defines a large heading. It <h1> to <h6>
* The <p> element defines a paragraph

**What is tag?**

Tag is a key word. It consist of opening and closing angle tag

* Paired Tags Eg <h1> text </h1>
* Unpaired Tag Eg </br> , <hr>

**Attribute** is the addition information give to a TAG

Eg :  <img src="./PIC1.jpg" alt="wall" width="800" height="500">

**Iframe** used to open a another web page in the present current page --To add a video

<iframe src="./Mission Impossible - Theme Guitar Tutorial\_HIGH.mp4" frameborder="6" width="800" height="500"></iframe>

Iframs to add Geo- location copy the path of embed map

 <iframe src="https://www.google.com/maps/embed?pb=!1m26!1m12!1m3!1d62204.38311917032!2d77.50273030618952!3d12.98630535654999!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!4m11!3e6!4m3!3m2!1d12.931173699999999!2d77.5504773!4m5!1s0x3bae3d5da75cc2fb%3A0x87f0d4c69917447b!2sjp%20park!3m2!1d13.033913199999999!2d77.5500089!5e0!3m2!1sen!2sin!4v1639376985952!5m2!1sen!2sin" width="600" height="450" style="border:0;" allowfullscreen="" loading="lazy"></iframe>

**Formatting Tag**

|  |  |
| --- | --- |
| **TAG** | **DESCRIPTION** |
| <b> | Bold text |
| <big> | Big text (no use) deprecate |
| <i> | Only italic |
| <small> | Small text (no use) deprecate |
| <em> | Emphasized text (italic) |
| <sub> |  |
| <sup> |  |
| <u> | underline |
| <strong> | Bold text |

**Type of Tags**

* Block level Tags
* Inline level Tags

## Inline Elements

An inline element does not start on a new line and only takes up as much width as necessary.

This is an inline <span> element inside a paragraph.

Eg : <a>, <script> , <br> , <input>

## Block-level Elements

A block-level element always starts on a new line and takes up the full width available (stretches out to the left and right as far as it can).

The <div> element is a block-level element.

Eg :<div>, <nav> , <li>,<h1> --<h6>

**Anchor Tag**

Used to Link the page based on the path

<a href="./heart.html"> heart</a> <h3> link the page</h3>

Target blank - page opens in a new tab

<a href="./heart.html" target="blank"> heart</a> <h3> link the page</h3>

## List

## Unordered HTML List

An unordered list starts with the [<ul>](C:/Users/VickyM/Desktop/w3schools/html/../tags/tag_ul.html) tag. Each list item starts with the [<li>](C:/Users/VickyM/Desktop/w3schools/html/../tags/tag_li.html) tag.

 <h2> Unordered list </h2>

    <ul type=square>

        <li>apple</li>

        <li>mango</li>

        <li>grapes</li>

    </ul>

## Ordered HTML List

An ordered list starts with the [<ol>](C:/Users/VickyM/Desktop/w3schools/html/../tags/tag_ol.html) tag. Each list item starts with the [<li>](C:/Users/VickyM/Desktop/w3schools/html/../tags/tag_li.html) tag.

 <ol type="I">

        <li>apple</li>

        <li>mango</li>

        <li>grapes</li>

    </ol>

**Marquee Tag**

 <marquee behavior="alternate" width="100%" bgcolor="red" direction="right"> hello world!</marquee>

Behaviour are

* Scroll
* Slide
* alternate

**Bdo**  bi directional the text format

<bdo dir="rtl"> hello world</bdo>

**Table Tag**

<table border="1px" align="center" cellspacing="5px" cellpadding="5px">

        <tr>

            <th colspan="3"> Employee Data</th> <!-- colspan for common coloum-->

        </tr>

        <tr>

            <th>Emp 1</th>

            <th>Emp 2</th>

            <th>Salary</th>

        </tr>

        <tr>

            <td>ram</td>

            <td>sam</td>

            <td rowspan="3">25000</td> <!-- rowspan for common row-->

        </tr>

        <tr>

            <td>jerry</td>

            <td>kite</td>

        </tr>

        <tr>

            <td>jack</td>

            <td>mack</td>

        </tr>

    </table>

## What are Semantic Elements?

A semantic element clearly describes its meaning to both the browser and the developer.

Examples of ****non-semantic**** elements: <div> and <span> - Tells nothing about its content.

Examples of ****semantic**** elements: <form>, <table>, and <article> - Clearly defines its content.

**HTML FORMS**