



# Welcome to DigiCoders

DigiCoders Technologies Private Limited



# HTML

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# About

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## What is HTML ?

- ❖ HTML stands for Hyper Text Markup Language
- ❖ HTML is the standard markup language for creating Web pages
- ❖ HTML describes the structure of a Web page
- ❖ HTML elements label pieces of content such as "this is a heading", "this is a paragraph", "this is a link", etc.

# HTML History

- **HTML 1.0**: The first version of HTML was released in 1991 as a simple markup language with limited capabilities. It allowed basic structuring of documents using tags such as **<h1>** for headings and **<p>** for paragraphs.
- **HTML 2.0**: Released in 1995, HTML 2.0 introduced new features like **tables**, **image** support, and **form** elements.
- **HTML 3.2**: This version, released in 1997, added more advanced features like **frames**, **client-side image maps**, and improved **table** support.
- **HTML 4.01**: HTML 4.01, released in 1999, introduced additional features such as **cascading style sheets (CSS)** for better control over the presentation of web pages, scripting support through **JavaScript**, and the ability to embed multimedia content.
- **XHTML 1.0**: XHTML (Extensible HTML) was introduced in 2000 as a stricter, XML-based version of HTML. It aimed to bring the syntax of HTML into conformance with XML standards. XHTML 1.0 followed the structure and rules of HTML 4.01 but required well-formed XML syntax.
- **HTML5**: HTML5 is a major revision of HTML that was finalized in 2014. It introduced many new features and enhancements, including semantic elements (such as `<**header**>` , `<**footer**>` , and `<**nav**>`), audio and video support, canvas for drawing graphics, drag-and-drop capabilities, local storage, and more. HTML5 also provided better support for mobile devices and introduced APIs for geolocation, web workers, and web sockets.

# HTML Page Structure

```
<html>  
  
    <head>  
  
        <title>Page title</title>  
  
    </head>
```

```
<body>  
  
    <h1>This is a heading</h1>  
  
    <p>This is a paragraph.</p>  
  
    <p>This is another paragraph.</p>
```

```
</body>
```

```
</html>
```

# Document Outline

- < !doctype html > { Version of HTML 5 }
- < html > { Root of Document }
- < head > { Page information }
- < body > { Page contents }

# Page Information

- < meta > { Meta data about document }
- < title > { Define document Title }
- < link > { Relevant Resources }
- < style > { Style resource }
- < script > { Script resource }

# Document Structure

- < h1> - <h6> { Heading tag }
- < div > { Page Section }
- < span > { Inline Section }
- < p > { Paragraph tag }
- < img > { Image tag }
- < br > { line break}
- < hr > { horizontal rule }
- < video > { Play a video }
- < audio > { Play a sound file }
- <font> </font>

# Comments

<!-- Comments text -->

# HTML Formatting

- < b > { Bold Text }
- < strong > { Important Text | Bold}
- < i > {Text Italic}
- < em > { Emphasized | Italic }
- < u > { Underline }
- < ins > { Underline }
- < small > { Smaller text }
- < del > { Delete Text Crossline }
- < s > { Strike through }

# HTML Formatting

- < pre > { Preformatted Text }
- < dfn > { Definition }
- < code > { Code }
- < cite > { Citation }
- < mark > { marked or highlighted }
- < sup > { Super Scripts | Top}
- < sub > { Sub Script | Bottom }

# HTML Quotation

- **< q >** { Shore quotation }
- **< abbr title="" >** { Abbreviate }



# HTML Links

- `<a href = “ ” >` { Page link }
- `<a href = “#name ” >` { Link to anchor }



# Attribute

**Attribute is use to set additional properties of any tag**

- **bgcolor** - For background (body)
- **color** - For text color (font)



# HTML Lists

- < ul > { Unordered list }
- < ol > { Ordered list }
- < li > { List Item }
- < dl > { Description list }
- < dt > { Description Term }
- < dd > { Description Definition }

# List Attribute

- **ol**
  - **type = 1, i, I, a, A**
- **ul**
  - **type = disc, square, circle, none**
- **ol**
  - **start -> starting position**

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# HTML Tables

- <table> { Defines table }
- <thead> { Header of Caption }
- <tbody> { Set of table rows }
- <th> { Header Cell in Table }
- <tr> { Defines Row in Table }
- <td> { Table data }

# Table Attribute

- **border**
- **bgcolor**
- **width**
- **align**
- **cellpadding**
- **cellspacing**
- **rowspan**
- **colspan**

# HTML Form

- <form> { Defines form for user input}
- <input> { Define input controls }
- <label> { Label for input element }
- <textarea> { Multiple input textarea }
- <select> { Defines drop down list }
- <option> { Options in drop-down list }
- <optgroup label="45 Day"> { Option Group list }
- <fieldset> { Groups elements in form }
- <legend> { Caption for **fieldset** }
- <button> { A clickable button }

# HTML Input Types

- <input type="text">
- <input type="password">
- <input type="email">
- <input type="checkbox">
- <input type="number">
- <input type="file">
- <input type="radio">
- <input type="color">
- <input type="date">
- <input type="time">
- <input type="datetime-local">
- <input type="week">
- <input type="month">
- <input type="hidden">
- <input type="range">
- <input type="reset">
- <input type="submit">
- <input type="button">

# HTML I-frame

- < iframe >

An inline frame is used to embed document within the current HTML document.

## HTML Marquee

- < marquee >

The <marquee> tag is a container tag of HTML is implemented for creating scrollable text or images within a web page from either left to right or vice versa, or top to bottom or vice versa.

# HTML Symbols

Char	Number	Entity	Description
©	&#169;	&copy;	COPYRIGHT SIGN
®	&#174;	&reg;	REGISTERED SIGN
™	&#8482;	&trade;	TRADEMARK
←	&#8592;	&larr;	LEFTWARDS ARROW
↑	&#8593;	&uarr;	UPWARDS ARROW
→	&#8594;	&rarr;	RIGHTWARDS ARROW
↓	&#8595;	&darr;	DOWNWARDS ARROW
♥	&#9829;	&hearts;	BLACK HEART SUIT