



# 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 - Fot 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, l, a, A
- ul
  - type = disc, square, circle, none
- ol
  - start -> starting position

# 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