

Language

Text





- > HTML stands for HyperText Markup Language.
- > HTML is used to create web pages and web applications.
- We can create a static website by HTML only.
- > HTML is a Markup language rather than a programming language.





Features



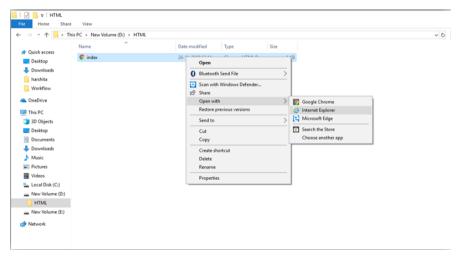
- > It is a very easy and simple language.
- > It is very easy to make an effective presentation.
- It is a markup language, so it provides a flexible way to design web pages along with the text.
- It facilitates programmers to add a link on the web pages (by html anchor tag).
- It is platform-independent.
- It facilitates the programmer to add Graphics, Videos, and Sound to the web pages
- ➤ HTML is a case-insensitive language







How to run



HTML Tags



HTML tags are like keywords which defines that how web browser will format and display the content.



Unclosed HTML Tags

- > **
tr> Tag**: br stands for break line, it breaks the line of the code.
- <hr> Tag: hr stands for Horizontal Rule. This tag is used to put a line across the webpage.









- A HTML heading or HTML h tag can be defined as a title or a subtitle
- There are six different HTML headings which are defined with the <h1> to <h6> tags

<h1>Heading no. 1</h1>
<h2>Heading no. 2</h2>
<h3>Heading no. 3</h3>
<h4>Heading no. 4</h4>

<h5>Heading no. 5</h5>

<h6>Heading no. 6</h6>

HTML Paragraph



- > HTML paragraph or HTML p tag is used to define a paragraph in a webpage.
- ➤ An HTML tag indicates starting of new paragraph.

This is first paragraph.

This is second paragraph.





> The HTML element is a physical tag which display text in bold font

bold text.

> The HTML tag is a logical tag, which displays the content in bold font and informs the browser about its logical importance.

strong text.





The HTML <i> element is physical element, which display the enclosed content in italic font

<i>Italic text.</i>

HTML Marked formatting

If you want to mark or highlight a text, you should write the content within <mark>.......</mark>.

<h2> Hyper Text <mark> Markup</mark> Language</h2>





If you write anything within <u>.........</u> element, is shown in underlined text.

<u> underlined text. </u>

HTML pre tag



- ➤ The HTML tag is used to specify pre formatted texts.
- > Texts within tag is displayed in a fixed-width font.
- > Usually it is displayed in Courier font.
- > It maintains both space and line break.





HTML <sub> tag is termed as Subscript tag and which is used to define subscript text.

H₂\$0₄

HTML <sup> tag

HTML <sup> tag is termed as a superscript tag which is used to define superscript text.

10**^{**th**}**

12th



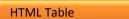


> The **HTML anchor tag** defines a hyperlink that links one page to another page.

Click for Second Page

If we want to open that link to another page then we can use target attribute of <a> tag.

Click for Second Page





> HTML table tag is used to display data in tabular form (row * column). There can be many columns in a row.

```
.....
```



- HTML img tag is used to display image on the web page.
- Closing tags are not used in HTML image element.

- > src: It is a necessary attribute that describes the source or path of the image.
- alt: The alt attribute defines an alternate text for the image, if it can't be displayed.





Types of HTML Lists

ies Group Description Unordered Ordered List List or List **Definition List**

Ordered List



- > In the ordered HTML lists, all the list items are marked with numbers by default.
- > The ordered list starts with tag and the list items start with tag.

```
    Abc
    Lmn
    Pqr
    Xyz
```

```
type="1"
type="a"
type="A"
type="i"
```

Unordered List



- ➤ In HTML Unordered list, all the list items are marked with bullets.
- > The Unordered list starts with tag and list items start with the tag.

```
Abc
Abc
Lmn
Pqr
Xyz
```

list-style-type:circle

list-style-type:disc

list-style-type:square

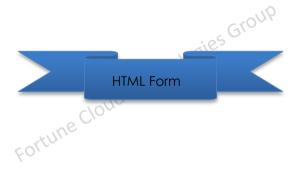
Description List or Definition List



- > The definition list is very appropriate when you want to present glossary, list of terms or other name-value list.
- > <dl> tag defines the start of the list.
- > <dt> tag defines a term.
- > <dd> tag defines the term definition (description).

```
<dl>
    <dd>Aries</dt>
    <dd>Aries</dd>
    <dd>
        <dd>
```







- > **HTML form** is a section of a document which contains controls such as text fields, password fields, checkboxes, radio buttons, submit button, menus etc.
- An HTML form facilitates the user to enter data that is to be sent to the server for processing
- HTML forms are required if you want to collect some data from of the site visitor.

<form action="" method="">
 //input controls e.g. textfield, textarea, radiobutton, button
</form>





> It is used to create form fields, to take input from user.

<input type="text" name="name">

type="text" type="email"

type="number" type="checkbox"

type="radio"

type="password"

type="file"





- > <textarea> tag in HTML is used to insert multiple-line text in a form.
- > The size of <textarea> can be specify either using "rows" or "cols" attribute

<textarea rows="7" cols="20"></textarea>





- > it makes the code parser/browser/user friendly.
- > If you click on the label tag, it will focus on the text control.
- To do so, you need to have for attribute in label tag that must be same as id attribute of input tag.





- > HTML <select> tag is used to create a drop down list with multiple options.
- > The <option> element is nested within <select> tag

```
<select>
    <option>A</option>
    <option>B</option>
    <option>C</option>
    </select>
```

Submit Button



> it is used to add a submit button on web page.

<input type="submit" value="submit">

<button type="submit" >Submit</button>





- > It is used to group the related information of a form.
- This element is used with <legend> element which provide caption for the grouped elements.

```
<form>
<fieldset>
<legend>User Information:</legend>
<label for="name">Enter name</label><br>
<input type="text" id="name" name="name"><br>
<input type="submit" value="submit">
</fieldset>
</form>
```





➤ HTML <abbr> tag is used to represent an acronym or abbreviation of a longer word or phrase, such as www, HTML, HTTP, etc.

<abbr title="HyperText Markup language">HTML</abbr>





- HTML <ins> tag is used to represent the newly added text in an HTML document.
- > It usually renders with an underline through the text.



> HTML tag is used to represent the range of text that has been deleted/removed from the document.

If you will do hard work <ins>smart work</ins> then you will get success easily





- > The HTML <div> tag is used to group the large section of HTML elements together.
- The div tag is generally used by web developers to group HTML elements together and apply CSS styles to many elements at once.

```
<div style="border:1px;padding:20px;font-size:20px">
    This is first paragraph
    This is second paragraph
</div>
```





➤ The Marquee HTML tag is a non-standard HTML element which is used to scroll a image or text horizontally or vertically.

<marquee>Hyper Text Markup Language



scroll slide alternate

Behavior

<marquee width="100%" behavior="scroll" bgcolor="pink">

This is an example of a scroll marquee...

</marquee>



up & down

left right

<marquee width="100%" direction="right">

This is an example of a right direction marquee...

</marquee>





> HTML <nav> tag is used to represent a section which contains navigation links.



- > HTML audio tag is used to define sounds such as music and other audio clips.
- Currently there are three supported file format for HTML 5 audio tag. mp3, wav, ogg.

<audio controls>
 <source src="birthday.mp3" type="audio/mp3">
</audio>

Attributes

controls, autoplay, loop, muted, preload





- > The HTML video tag is used for streaming video files such as a movie clip, song clip on the web page.
- Currently, there are three video formats supported for HTML video tag: Mp4, webM, ogg

```
<video controls>
  <source src="movie.mp4" type="video/mp4">
</video>
```

Attributes

controls, autoplay, loop, muted, preload

HTML iframes



- HTML Iframe is used to display a nested webpage (a webpage within a webpage).
- An HTML iframe embeds another document within the current HTML document in the rectangular region.

<iframe src="sample.html" height="300" width="400"></iframe>

<iframe src="sample.html" height="50%" width="50%"></iframe>