What is HTML

Topics

- what is HTML
- Software's Required
- Structure of HTML document
- How to execute HTML code
- Basic HTML Tags

what is HTML

H – Hyper

T – Text

M – Mark Up

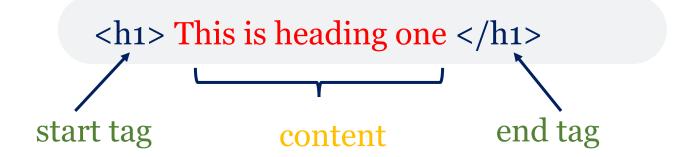L – Language

Tag vs Element

- Any thing that enclosed with in <> is a tag
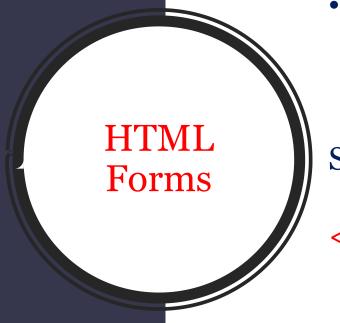
  Ex: <India>,<h1>,<table>

  Opening/start tag: <h1>   Closing/end tag: </h1>

- HTML element contains

  opening tag + some content + closing tag

  <h1> This is heading one </h1>

  start tag   content   end tag

Software's

- Text Editor

    Ex: Notepad,Notepad++, Atom,Vscode ..

- Browser

    Ex: Chrome,Mozilla Firefox,Internet Explorer..

Structure

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Title here</title>
</head>

<body>
    content
</body>
</html>
```

- Heading Tags

Basic Tags

`<h1>`This is heading 1 `</h1>`

`<h2>`This is heading 2 `</h2>`

`<h3>`This is heading 3 `</h3>`

`<h4>`This is heading 4 `</h4>`

`<h5>`This is heading 5 `</h5>`

`<h6>`This is heading 6 `</h6>`

Basic Tags

- ## Paragraph Tag

  <p>HTML is a frontend language used to develop static websites.</p>

- ## Bold Tag

  HTML is a frontend language used to develop static websites.

- ## Italic Tag

  <i>HTML is a frontend language used to develop static websites.</i>

Forms in HTML

- The purpose of forms is to take the user for information

- The information is then sent back to the server

Ex: Registration form , login form

Syntax:

<form >
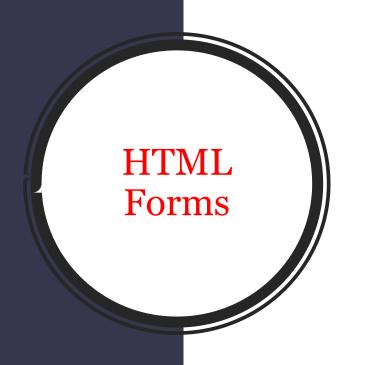
    form elements like input tag,textarea,dropdown select tags

</form>

HTML Forms

Available tags to take information from user:

- <input>

- <textarea>

- <select>

HTML Forms

Input Types :

HTML Forms

`<input type = " text ">`

`<input type = " password ">`

`<input type = " email ">`

`<input type = "tel ">`

`<input type = " number ">`

`<input type = " submit ">`

`<input type = " button ">`

`<input type = " reset ">`

`<input type = " color ">`

`<input type = "hidden">`

Inputs Types

<input type = " radio ">

<input type = "time ">

<input type = " checkbox ">

<input type = "month ">

<input type = "range">

<input type = " datetime-local ">

<input type = " date ">

<input type = " week ">

<input type = " file ">

<input type = "url ">

<input type = "search ">

HTML Forms

Attributes of Input tag (<input>)

- name

- required

- maxlength

- minlength

- value

- max

- min

- step

- disabled

- Size

- checked
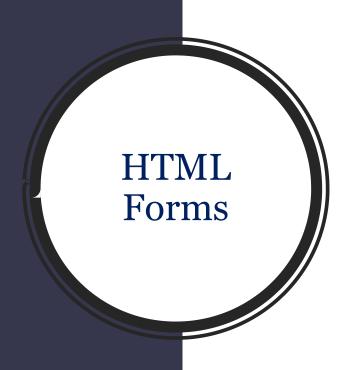
- readonly

HTML Forms

Attributes of text area (<textarea>)

HTML Forms

- rows
- cols
- name
- value

Attributes of select (<select>)

- size
- multiple
- name

HTML Forms

Attributes of form tag (<form>)

HTML Forms

- action
- method
- target
- name

Audio & Video Tags in HTML

Syntax:

<audio>

<source src="path">

</audio>

Audio Tag

or

<audio src="path "></audio>

Attributes:

- controls

- loop

- muted

- autoplay

- preload

Audio Tag

Syntax:

<video>

<source src="path">

</video>

or

Audio Tag

<video src="path "></video>

Attributes:

- controls

- loop

- muted

- autoplay

- Poster

- Width

- height

Audio Tag