

Code editors :- VS Code,

(view, source, etc)

HTML

CSS

JS

Structure/Layout

Style

Logic (key etc)

HTML :-

(Hyper text Markup Language) ^{HTML}

HTML is the code that is used to structure a web page its content

* Create

If you will first file in html so [index.html] must be important bcz this is the page of your website

HTML tag

A Container for some content

Or other HTML tags

<p> Hello world </p>

Content

Element

Basic HTML Page

Hello Code

DATE
PAGE

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
  <head>
```

```
    <meta charset="UTF-8" />
```

```
    <meta http-equiv="X-UA-Compatible" content="IE=edge"
```

```
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
```

```
  <title> Document </title>
```

```
  </head>
```

```
  <body>
```

```
    <p> Hello World </p>
```

```
  </body>
```

```
</html>
```

<!DOCTYPE html> → tells browser you are using
HTML 5

head <html> → root of an HTML document

<title> My first page </title>

page title

<head>

① → head! - ~~code~~ ^{head} do not ^{show} in ~~the~~ site display ~~to~~
Webpage only a agree with code

<body> contain all the charta ^(show) rendered
by the browser

<p> hello world </p> paragraph tag

<body>

<html>

② body → body show in display

#

Comment :-

— This is part of code do not
part of code.

< == (write any if) ==>

(*) html is not k sensitive! - you can write
'a' or 'A' do not show error

But ~~some~~ ^{many} language is IC sensitive like → Java, C, c++

Level :- 2

HTML Attributes → Attributes are used to add more information to the tag.

~~about~~ `<html lang = "en">`
↓ ↓
language English

Heading Tag

Used to display heading in HTML

`h1 > h2 > h3 > h4 > h5 > h6`

↓
(most imp)

↓
(least imp)

`<body>`

`<p> Hello </p>`

`<h1> Heading 1 </h1>`

`<h2> Head 2 </h2>`

`<h3> "s </h3>`

`<h4> "t </h4>`

`<h5> "s </h5>`

`<h6> "s </h6>`

(*) Paragraph Tag :- used to add Paragraph in HTML

<p> This is a sample paragraph </p>

(*) Anchor Tag :- used to add link to your page

Code -

Google

 // Output print another line

 linkname

(*) Image Tag :- used to add images to your page

Code -

↓ ↓ ↓
(image source) (alt) (image name)

Absolute URL :- image available in internet

Relative URL :- image available in your folder

Code

```

```

if you will want to change size
of image so you can change the help
of "height 5, 10, etc" or "width 5, 10, etc"

But don't change height & width at
the same time otherwise your image
dimension not look like normal.

Code :-

```

```

```
" " width="50" />
```

Br Tag :- used to add next
line (line break) to your
page

Code →
 → empty tag

* Bold, italic & underline Tags are used to highlight text in your page.

→ (Statement write here)

Codes:- ** Bold **

<i> Italic </i>

<u> Underline </u>

Ex:-

** Saturday **

**
**

<i> #Saturday </i>

**
**

<u> Saturday </u>

<p>

** my first website ** And I feel
very happy *<i> and ~~expensive~~ experience </i>*
with you <u> thank you </u> for

support **</p>** → (Paragraph)

A) Big & small Tags :- used to display big & small text on your page.

Code: $\langle \text{big} \rangle$ statement $\langle / \text{big} \rangle$

$\langle \text{small} \rangle$ statement $\langle / \text{small} \rangle$

*

Hr Tag :- used to display a horizontal ruler, used to separate content

$\langle \text{hr} \rangle$

$\langle \text{br} \rangle$ → used for separate line

(F) Subscript & Superscript Tag :-

used to display a horizontal ruler,
used to separate content.

$\langle \text{sub} \rangle$ subscript $\langle / \text{sub} \rangle$

H_2O + $\text{C}_6\text{H}_{12}\text{O}_6$

2, 6, 12, 6 → subscript

$\angle \text{sup}$ & Superscript $\langle \rangle$

$A^n + B$

~~Code~~ - $n \rightarrow$ Superscript

Code :-

$\langle p \rangle H \langle \text{sub} \rangle_2 \langle \text{sub} \rangle_0 \langle /p \rangle$

$\langle p \rangle_3 \langle \text{sup} \rangle_2 \langle \text{sup} \rangle = g \langle /p \rangle$

* Pre Tag :- Used to display text as it is (without ignoring spaces & next line)

Code :- $\langle \text{pre} \rangle$ This is Eply text

$\langle /pre \rangle \rightarrow$ "use for space between two sentences"

~~Satend~~

Ex:- <pre>

space

Satend

Good Student

Divided w/ a

<pre>

Level ↴

~~Level~~ 3

* page layout Techniques :- Using
semantic tags for layout
using the Right tags

<header> for head

<main>

<footer> → here you can write gmail or
phone numbers

main tag

Section tags:- for a section on your
page

Code: <Section>

Ex:- <Section>

education :- JYT School Subhas School

<Section>

<Section>

Expenses :-

<Section>

~~Section~~

Ex! - <pre>

space

Satendra

Good Student

Dwivedi is a

Level ↴

~~Level~~: 3

<pre>

*) page layout Techniques :- Using
Samanic tags for layout
using the Right tags

<header> for head

<main>

<footer> → here you can write gmail or
phone numbers

main tag

<Section tag> - for a section on your
page

Cool! <Section>

Ex! <Section>

education :- JYOT School Subhas School

<Section>

<Section>

Expenses :-

<Section>

~~HTML~~ Article Tag :- for an article on your page.

Article

Aside Tag :- for content aside main content (ads)

Aside

* Revisiting Anchor Tag :-

`https://Google.com`

Google

(for new tab)

``

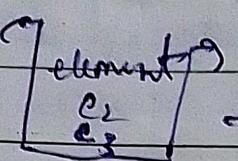


clickable pic

click pic and open website

Div Tag :- Did it's a container used for other HTML element
Block Element takes full width)

Div =


<div> → (Cover all width and length)

Span Tag :- Span is also a container used for other HTML element
inline Element (takes width as per size)

 → covers only specific word area

 Bye

Level Pro

List in HTML :- Lists are used to represent real life data.

: unordered

: ``

: ` mango `
` cherry `

``

ordered

$\frac{1}{2}$
3
4

`li` = list

Ex :- ``

` mango `

``

` Color :- Red `

` Size :- 20 cm `

``

Ordered

``

` Apple `

` Banana `

``

Tables in HTML

Tables are used to represent real life table data.

* <tr> used to display row

* <td> used to display table data

* <th> used to display table header

<tr> → table row

<td> → table data

Code:-

<table>

<tr>

<th> Name </th>

<th> Roll no </th>

<tr>

<td> Sathish </td>

<td> 176326090 </td>

</tr>

</table>

| Name | Roll No |
|---------|-----------|
| Sathish | 176326090 |

Caption in table

<caption> Student </caption>

DATE
PAGE

Student ↗

| | |
|------|-------|
| Name | ROHIT |
|------|-------|

thead & tbody in table

<t head> to wrap table head

<t body> to wrap table body

colspan

if you want to use one header for many column so you can use colspan

Code:- <th colspan="n">

<1 th>

n → number of column for heading like 2, 3, 4 etc

* Form in HTML :- forms are used to collect data from the user
Eg:- sign-up / login / help request / contact

<form>

~~form~~ form content → [form content given below]
</form>

① Action in form :- action attribute is used to define what action needs to be performed when a form is submitted.

<form action = "/action.php" >

for data

backend save data

Cells -

~~form~~

② form element : input -

<input type = "text" placeholder = "Enter Name" />

Ex1 :- <input type = "text" placeholder = "username" />

<input type = "text" />

<input type = "password" placeholder = "password" />

Output :-

username

password

label :- ① use for read statement

② use for radio Button ③ 0

<label for = "id1">

<input type = "radio" value = "class XI" name = "class" id = "id1" >

</label>

<label for = "id2">

<input type = "radio" value = "class XII" name = "class" id = "id2" >

</label>

Output :-

○ class XI

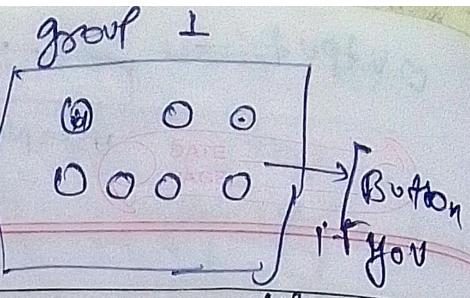
○ class XII



(Button)

Class & id :-

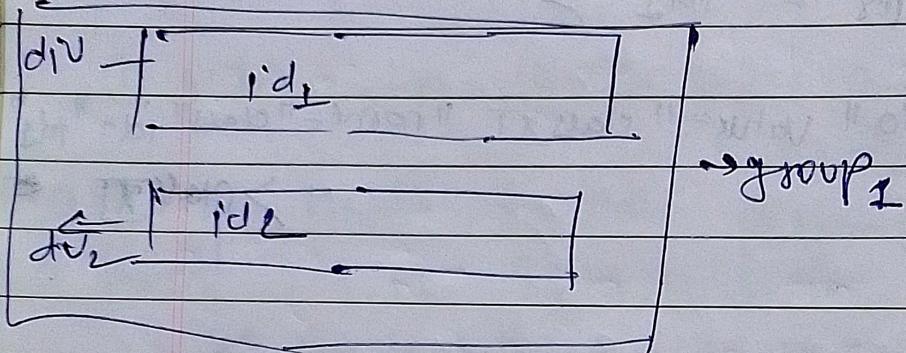
<div id = "id₁" class = "group1">
</div>



<div id = "id₁, id₂" class = "group 1">
</div>

can

want to change colour of button so you can't change group colour



Checkboxes :- use for multiple choice

<label for = "math">

<input type = "checkbox" value = "math" name = "subject" id = "101"> math <label>

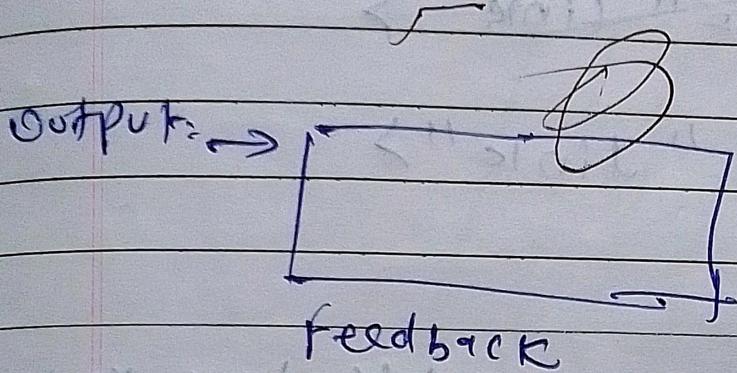
<label for = "phy">

<input type = "checkbox" value = "math" name = "subject" id = "102"> Physics
<label>

Output:- math physics Hindi English

feedback :-

< textarea name = "feedback" id = "101" placeholder
= "please give your feedback here!">
rows=5>feedback</textarea>



Select :-

<select name = "city">

<option value = "Delhi"></option>

<option value = "Rewa"></option>

etc.....

Select

Submit :-

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

iframe tag :- if you want to show youtube video, another website content in your website so you can use iframe tag.

~~<iframe src = "link" >~~

~~<iframe src = "link" >~~

video tag :- you can use here your offline or relative video..

~~<video src = "my vid.mp4" > my video </video>~~

~~<video height = "300" src = "my video.mp4" my video controls > my video </video>~~