

HTML

<!DOCTYPE html>

↳ Version 5 (html)

CMD

1) Text Display

<!-----!> → Single Line

<!--
.....
-----!> } → Multi Line

Shortcut
in VS Code

Ctrl + /

Forward
Slash

1) Text Font Size Tags (only 6)

<h1> ... </h1>

↳ open tag

↳ Close
Tag

1) <h1> a </h1>

2) <h2> b </h2>

3) <h3> c </h3>

4) <h4> d </h4>

5) <h5> e </h5>

6) <h6> f </h6>

Structure of html

<!DOCTYPE html>

<html>

<head>

<title> </title>

</head>

<body>

<h1> </h1> ... </body>

</html>

2) Font Stylish Tag

(bold tag) 1) a → Bold text

(italic tag) 2) <i> a </i> → Italic text

(Strong tag) 3) Consult Doctor → Bold text

(emphasize tag) 4) Don't tag → Italic text

5) underline text → <u> Vig </u> → Vig

3) Paragraph text [<p> tag]

<p> Vignesh is a good boy.

</p>

4) Pre tag

<pre>

```
for i in range(4):  
    for j in range(6):  
        Print(" + ", end=" ")  
    print()
```

→ output appears
Same as varum

</pre>

5) In between change some text from paragraph tag

1) Span tag → Color change

<p></p>

* <p> ~~Vignesh~~ ECE Satem </p>

O/P

Vignesh

→ Indha place la Style = "color: blue"

↓
Indha varum

<p> vignesh ECE </p>

O/P

Vignesh ECE

2) Cite tag (<cite> tag)

<p> ISRO <cite> The future of mind </cite>
by Michio Kaku </p>

O/P

ISRO The future of mind by Michio Kaku

↓
italic style

3) Abbriviation (abbr) Tag

$\langle P \rangle$ I will go to meet $\langle abbr \ title = "Doctor" \rangle$
Dr. $\langle /abbr \rangle$ Paul $\langle /P \rangle$

O/P

I will go to meet Dr. Paul

Indha place la mouse click
 Drag parra [title la
 enna name iruko
 andha show
 agum]

Doctor

6) Sup tag

$a \langle Sup \rangle 2 \langle /Sup \rangle \rightarrow a^2$

7) Sub tag

$h \langle Sub \rangle 2 \langle /Sub \rangle \rightarrow h_2O$

8) Brage tag

$\langle br \rangle$

$\langle P \rangle$ Vignesh

Vignesh $\langle br \rangle$

ECE
 Salem

O/P

Vignesh

ECE Salem

hr tag (Horizontal Line)

$\langle P \rangle$ Vignesh $\langle /P \rangle$

$\langle hr \rangle$

$\langle h2 \rangle$ Home town

$\langle /h2 \rangle$

O/P:

Vignesh

Home town

Indha Line dha
 (hr tag)

9) Quorse tag (" ")

$\langle q \rangle$ Hello world $\langle /q \rangle \rightarrow$ "Hello world"

10) Block quote tag

$\langle blockquote \rangle$ Two $\langle /blockquote \rangle \rightarrow$

Idhu Left to Right ku 10 to
 15 spaces Thalli varum

document +

Two
 Space

11) Address tag → Italic form

<address> Vignesh@gmail.com </address>

<address> 877xx xx xx </address>

<address> 27, Nagling St road, Salem </address>

11) Delete and insert tag

1) Delete Tag

 500 → 500

2) insert Tag

<ins> 700 </ins> → 700

13) mark tag

<p> Vignesh, Gopal

as <mark> Kimmy

</mark> Dog </p>

o/p

Vignesh, Gopal as

Kimmy Dog

↑ mark tag

<p> Yesterday mobile price is \$500
Now <ins> \$700 </ins>

o/p

Yesterday mobile price is \$500 Now \$700

12) Not valid Tag (S-tag)

<S> </S>

old mobile no. <S> 94426 11xx </S>



old mobile no. ~~94426 11xx~~

↑ Not valid

2) List in HTML

List tag

``

Two types of list

1) Order list (``)

2) Unorder list [``]

1) Order list

``

` one `

` two `

` Three `

``

O/P

1. One

2. Two

3. Three

2) Unorder list

``

` one `

` Two `

` Three `

O/P

• one

• Two

• Three

O/P

 Flash light

 Tent

 Food items

 Fruit

 Snacks

 Fan[table]

1. Flash light

2. Tent

3. Food items

- Fruit

- Snacks

4. Fan[table]

Change order list format

1) <ol type = "a">

2) <ol type = "A">

3) <ol Start = "3">

4) <ol Start = "0">

5) <ol Start = "-1">

<ol type = "a"> (or) type = "A" (or) type = "3" or "0" or "-1"

 1

 2

 3

type = "a"

a. 1

b. 2

c. 3

type = "A"

A. 1

B. 2

C. 3

type = "3"

3. 1

4. 2

5. 3

type = "0"

0. 1

1. 2

2. 3

type = "-1"

-1. 1

0. 2

1. 3

Destination list

<dl> </dl>

<dl>

<dt> </dt>

<dd> </dd>

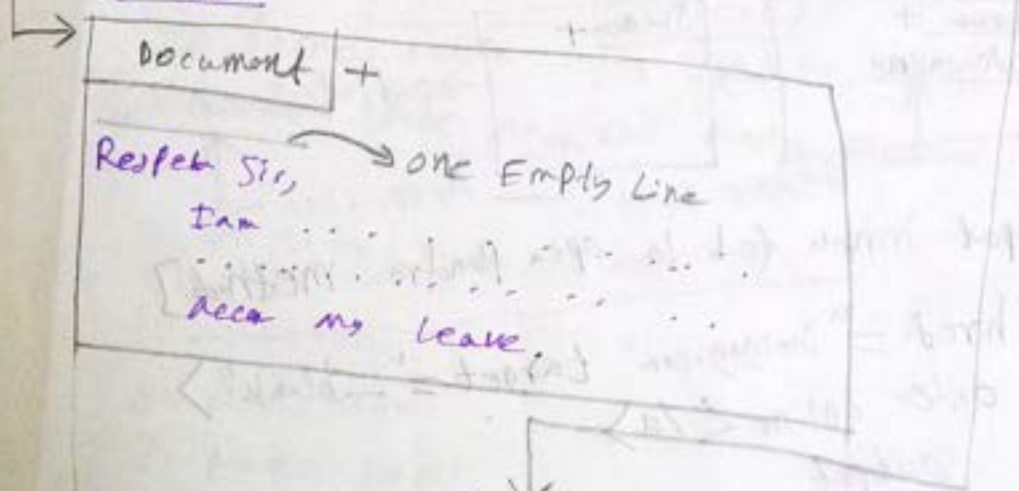
<dt> Respected Sir, </dt>

<dd> I am going to my home so i will not come
[3 days] so please accept my leave.
</dd>

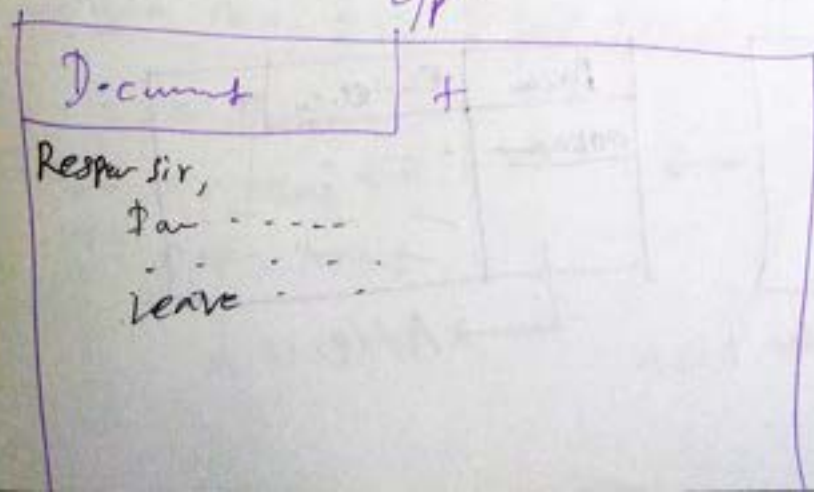
(or)

Respected Sir, <dd> I am going to
..... leave. </dd>

Output



O/r



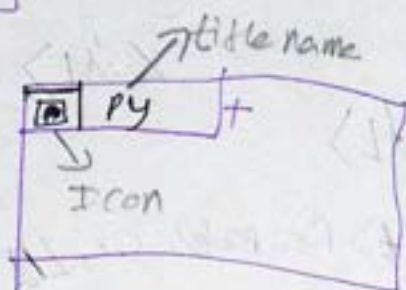
3) Link in HTML

1) Icon in title bar

<head>

<title> Py </title>

<link rel="icon" href="image/py.png">

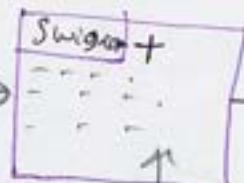
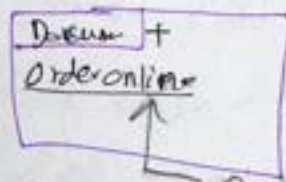


2) angular tag [Same tab la next page Load again]

 order online

Any website Link (path)

O/P



output Same tab

Before click

After click

[output in new tab la open pondra method]

 order online

output



Before click

After click

⊗ ~~Same~~ ~~File~~ E: drive La / HTML Folder kulla
add.html and sub.html and power.html

1) $\langle a \text{ href} = \text{"add.html"} \rangle$ ^{Home} ~~Home~~ $\langle /a \rangle$ ^{→ choose any name}

↳ Same folder kulla irukira innoru file
ah call pandra method.

Example :- folder name Vignesh (main folder)

1. Sub.html

2. add.html

3. power.html

(or) "Vignesh/not.html"

2) $\langle a \text{ href} = \text{" /not.html"} \rangle$ ^{Logic} ~~Logic~~ $\langle /a \rangle$
(or) "../not.html"

↳ Same folder kulla irukira, innoru
folder oder file ah call pandra method

Example :-

Folder name: Vignesh (Main Folder) (parent folder)

1. Sub.html

2. add.html

3. power.html

Folder name: vs (Sub Folder) (child folder)

1. and.html

2. or.html

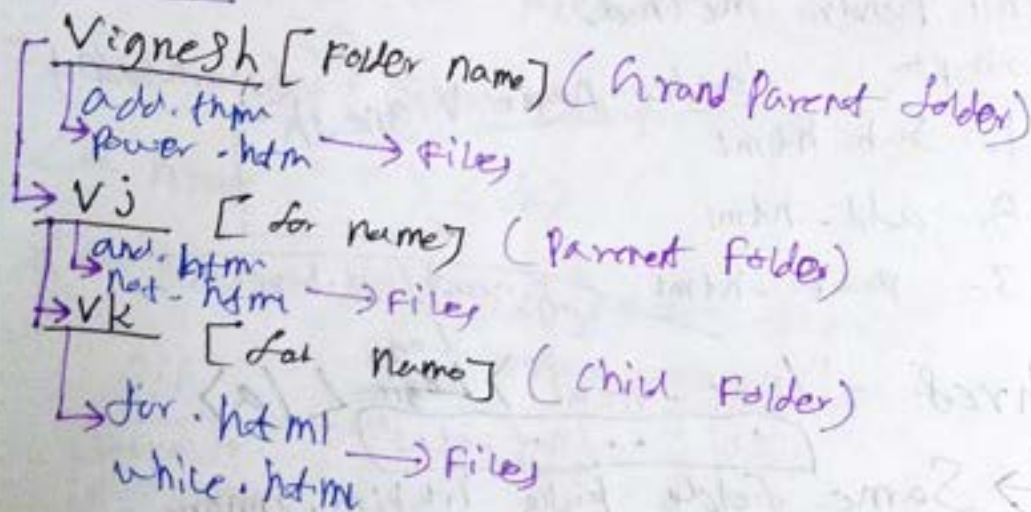
3. not.html

(or) "vignesh/vj/for.html"

3) ` welcome `

↳ Same folder kulla irukira inner folder kulla irukira folder odu file - ah call panna method.

Example



3) Mail tag

`
send a mail `

1) om dila la iranna innoru file la para method.

Ex:

Vignesh → Folder Name

Home.html

Menu.html

Choose order

} → File Name

Home.html

 Go to menu

<h1> ~~Hotel~~ </h1>

<p> Welcome to my Hotel... </p>

menu.html

 Go to Home

~~~~ <h1 id = "a"> Rice </h1>

<h1 id = "b"> Tea </h1>

<h1 id = "c"> Coffee </h1>

Choose.html

 Go to Home

 Go to Rice menu

 Go to menu

→ Indha method edhaku use dagum-la innoru file-la niraya content irupum so nanna

tharayan content-ah call panvudhu indha method

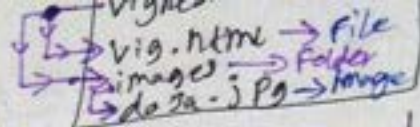
-ah use pannum (numma enna method -ah idhaku

indha call panvudhu indha method-la [Example

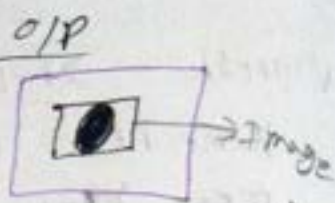
<h1 id = "a"> </h1>

→ Indha format-ah tharayan

5) Image Tag



1) ``
 ↳ Image path



2) ``
 ↳ Any Name

O/P



Users devices la indha image support
 - dosa indha image show aagun

O/P



Users devices la indha image support
 aagunna [alt-la enna kuduthamo ordu name apdinae show aagun]

3) ``
 ↳ Any Name

O/P



Mouse ah indha image la drag panna [title-la enna name tharamo ordu name image kull orvara time -um drag pundrapalax (title-kanna name show aagun)]

4) ``

→ Image size ah change panna method (width = "" height = "") Any values → 200px (or) 200 (or) 10%

5) Image with align text

``

→ Indha method eduthu use pannuma, image ah ^{ottu} ~~ottu~~ konjam space vittu Left side - la img-um, Right side - la text-um varum.

input



`<P> Vignesh is a good boy`
`</P>`

align = "left"

= "right"

= "top"

= "bottom"

= "middle"

Output



Vignesh is a good boy

align = "left" - na image left side la irupum Text Right side irupum



6) caption → figure tag

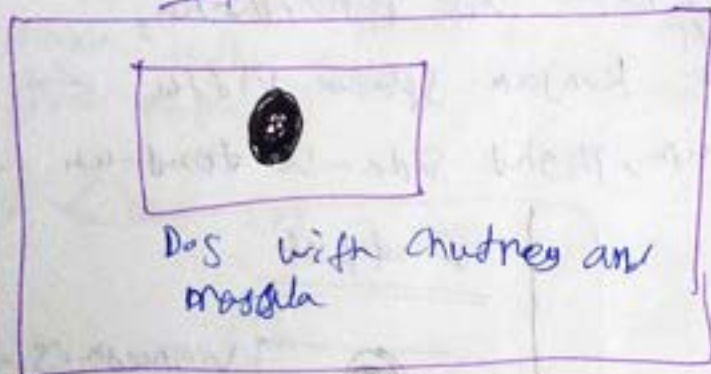
<figure>

<figcaption> Dosa with chutney and masala

</figcaption>

</figure>

o/p



4) HTML - Table

Syntax:-

`<table border = "1">` Fill any values
`<tr>`
`<td> ... </td>`
`</tr>`
`<tr>`
`<td> ... </td>`
`</tr>`
`<tr>`
`<td> ... </td>`
`</tr>`

`<th> ... </th>`
 ↳ It is using
 Bold (or) Head in
 table.

1) `<table border = "1">`

`<thead>`
`<tr>`
`<th> Item </th>`
`<th> Price </th>`
`</tr>`
`</thead>`

Row for

O/P

| Item | Price |
|--------|--------|
| Samosa | Rs. 10 |
| Vada | Rs. 5 |

→ If we use particular particular regular, that is your choice

`<body>`
`<tr>`
`<td> Samosa </td>`
`<td> Rs. 10 Rs. 10 </td>`
`</tr>`
`<tr>`
`<td> Vada </td>`
`<td> Rs. 5 </td>`
`</tr>`
`</body>`

2) Footer tag

<tfoot> </tfoot>

<tfoot>.... </tfoot>

Example

| Idhar | Gun | Pro |
|-------|-----|-----|
| Var | 2 | 10 |
| Ten | 2 | 20 |
| Total | | 30 |

In this method ah call pure use aagam [Idhar Total (or) Table ke keela (tfoot - la Varah use aagam)]

3) Row Span Tag

Rowspan

<table>

<tr>

<td rowspan="3">

Group </td>

<td> A </td>

<td> B </td>

</tr>

<tr>

<td> C </td> <td> D </td>

</tr>

<tr>

<td> E </td> <td> F </td>

</tr> </table>

O/P

| | | |
|-------|---|---|
| Group | A | B |
| | C | D |
| | E | F |

4) Column Span Tag

Colspan

<table>

<tr> <td colspan="2"> B.G </td>

</tr>

<tr>

<td> A⁺ </td> <td> B⁺ </td>

</tr>

<tr>

<td> A⁻ </td> <td> B⁻ </td>

</tr>

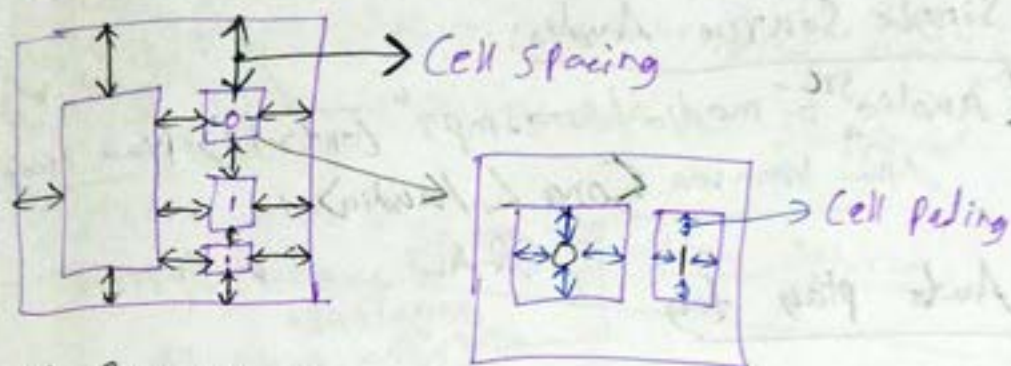
</table> O/P

| | |
|----------------|----------------|
| B.G | |
| A ⁺ | B ⁺ |
| A ⁻ | B ⁻ |

5) Cellpadding and cellspacing tag

`<table border="2" cellpadding="5" cellspacing="5">`

Example



6) 6) Caption tag

`<table>`

`<caption> Students details </caption>`

`<tr>`

`<th> Name </th> <th> Age </th> <th> City`

`</th> </tr>`

`<tr>`

`<td> Vignesh </td> <td> 25 </td> <td> Salem </td>`

`</tr>`

`<tr>`

`<td> Vj </td> <td> 26 </td> <td> Chennai </td>`

`</tr> </table>`

o/p

Students details

| Name | Age | City |
|---------|-----|---------|
| Vignesh | 25 | Salem |
| Vj | 26 | Chennai |

→ th tag

5) Audio and video in HTML

< 1) Audio 1) Audio :

i) Single Source Audio :

i) `< audio src = "media/Song.mp3" controls >`
dha varavaa Song `< /audio >`

It's condition
use path
or use
pathless
file name
Naa ready

ii) Auto play tag

⊗ Audio file Support
oagaleana

`< audio src = "media/Song.mp3" controls autoplay >`
Naa ready dha varavaa Song `< /audio >`

→ It's name show oagaleana

iii) Loop tag

`< audio src = "media/Song.mp3" controls loop >`
Naa ready dha varavaa Song `< /audio >`

iv) Pre Load tag

→ `< audio src = "media/Song.mp3" controls loop
preload = "auto" >` Naa ready dha varavaa Song `< /audio >`

Your choice

→ `< audio src = "media/Song.mp3" controls
preload = "none" >` Naa ready dha varavaa Song `< /audio >`

→ `< audio src = "media/Song.mp3" controls
preload = "metadata" >` Naa ready dha varavaa Song `< /audio >`

It's SPA = MAN

9) Multiple Source: Audio

- i) Audio Controls Loop Preload = "auto"
~~<Source Src = "media/song.mp3">~~
<Source Src = "media/song.mp3">
<Source Src = "media/song/23.mp3">...
A 1st song - Format Not Supported
</audio>

⊗ other tag → Same as Single Source.

2) Video :-

1) Single Source video:

- i) <video Src = "media/vj.mp4" controls> Video path
Video Not Supported by your browser </video>
- ii) Video size change tag:
<video Src = "media/vj.mp4" controls height = "300" width = "300"> Not Support </video>
- iii) Muted and unmuted tag
<video Src = "media/vj.mp4" controls muted> Not supported </video>
- iv) Image show in the video file:
<video Src = "media/vj.mp4" controls poster = "images/vjesh.jpg"> </video>
N/A Image path

2) Multi Source video:

~~<video controls height = "300"~~

<video controls height = "300" width = "300" poster = "vignak.jpg">

<Source src = "media/vj.mp4" ~~type = "video"~~
type = "video/mp4"> video ~~mp4~~
Not supported by your browser </video>

3) iFrame tag

⊗ → Creator website (Nammo website)
- (a) Show Youtube Video Show Pandas
method

<iframe width = "300" height = "400" src = "

</iframe>

i) idhula Youtube la
Idhula method
ah use Pannu
Show Pannalam

ii) Aadi illan Youtube la
Nammo thevayana video
Link ah copy Pannu-gum paste
Panni show Pannalam

⊗
1) Goto Youtube

2) Click Share Logo

3) Then Click
Embed option

4) Finally copy and
paste the [src area]

6) Forms in HTML

<form> </form>

Example:-

using method of Two types [Your choice]

only example

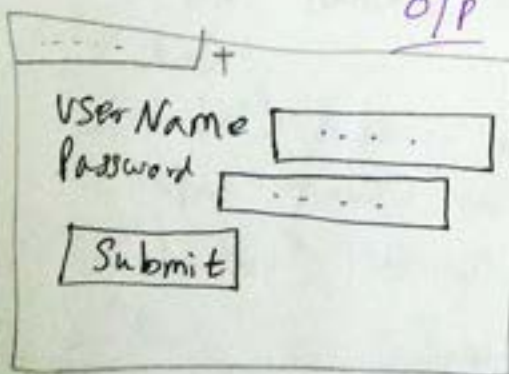
Type-1

```
<form> <div>
<label> User Name User Name </label>
<input>
</div>
<div>
<label> Password </label>
<input>
</div>
<button> Submit </button>
</form>
```

Type-2

```
<form>
<div>
  UserName <input>
</div>
<div>
  Password <input>
</div>
<button> Submit </button>
</form>
```

O/P



Both are same output

This is only Example

V → ~~Link~~ Link-la irundha innoru Link-ku Para method
 1) Enaku ~~ip~~ form la Signup (or) Submit or other
 inputs keys-ah ^{(button) ah} press pannapo, Andha button-pana
 output-ah call pantha method g

[Naa irro Vignesh-nu Folder kulla a.html
 and b.html -nu create panna para.

i) a.html -la User kitta irundha Sign-up-ah
 input-ah vxangi adha b.html kulla
 irukina message -ah Show panna para]

Folder Name → vignesh

a.html

```
<form action = "b.html">
<div>
<label> User Name </label>
<input type = "text">
</div>
<div>
<label> PassWord </label>
<input type = "password">
</div>
<button> Signup </button>
</form> (op)
```

b.html

welcome to Signup

click then get output

2) Post and Get Tags

i) Post Tag:-

<form action = "b.html" method = "post">

→ In the method - ah Database - ah vachchidhan use and work panna mudiyum (x) [So don't use this method]

ii) get Tag:-

<form action = "b.html" method = "get">

→ It is working [Using Learning Purpose]

Get tag using html:-

<form action = "a.html" method = "get">

<div>

<label> User name </label>

<input name = "username" type = "text"> </div>

<div>

<label> Password </label>

<input name = "password" type = "password"> </div>

<button> Sign up </button>

%f

→ G <https://...>

Username

Password

Get method use panna nammalah username and password applye show aagum

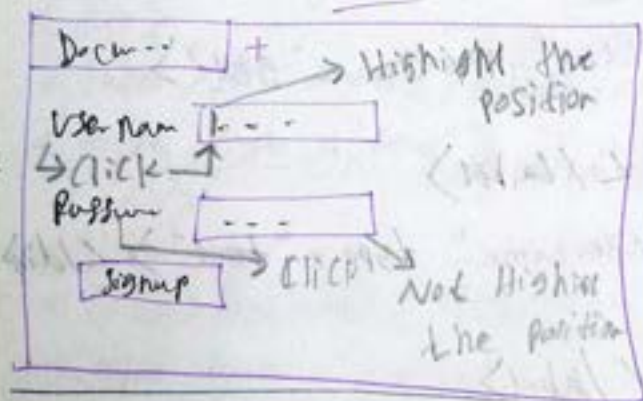
3) Highlight tag [Label for = " " input id = " "]

Using Highlight tag

```

<form action = "a.html" method = "get">
  <div>
    <label for = "UN"> User name </label>
    <input name = "username" type = "text" id = "UN">
  </div>
  <div>
    <label> Password </label>
    <input name = "password" type = "password">
  </div>
  <button type = "Submit"> Sign up </button>
  o/p

```



4) Input type tag number

Username

<input type = "text">

Password

<input type = "password">

Sign up or Submit

<input type = "submit">

E-mail

<input type = "email">

DOB <input type = "number">

<input type = "date">

Insert files:

<input type = "file">

(More input types available in)

5) Placeholder tag

```

<form>
<div> <label> Username </label>
<input type="text" name="username" placeholder="username" />
</div>
<div> <label> Password </label>
<input type="password" name="Password" />
</div>
<button type="Submit"> Signup </button>
</form>
  
```

O/P

6) value Tag:

```

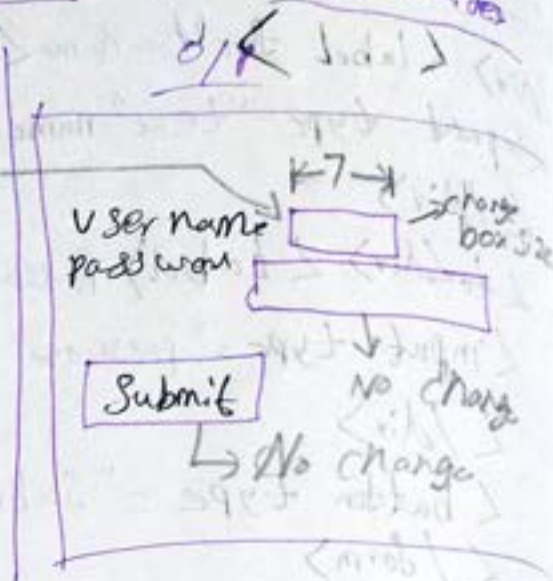
<form>
<div>
<label> u.n </label>
<input type="text" value="Raj"> </div>
<div>
<label> p.w </label>
<input type="password" /> </div>
<button type="Submit"> Signup </button> </form>
  
```

Idhe dedaill - ah vao
Vandhuchum [indha
name - ah apdiyaee.
We pannalom apdi illom
Delet pannitu vera name thea

7) Form box size control and Text limiter

i) Value (box size change)

```
<form> <div>  
<label> Username </label>  
<input size = "7">  
</div>  
<div>  
<label> Password </label>  
<input> </div>  
<button> Submit </button>
```



ii) Text limiter (max length) tag

```
<input maxLength = "5">
```

your choice

o/p

a@123

maximum size: 5

8) required tag → very important in form tags

↳ Idhu edhuku use aagudhu-na form-la irukim ella box-un fill pannama [Submit, Login or Signup, etc...] idha click panna next page-ke pagama oru working naga thaanu. [form la irukin ella content-yam aa panna mattum dha. Click button work aagum]

<form>

<div>

<label> U.N </label>

<input type="text" required> </div>

<div> <label> P.W </label>

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

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

<button type="Reset"> Reset </button>

Output-1

U.N → No fill

P.W → Fill

→ Click but it is not working [Ellame fill panna mattum dha Submit button work aagum]

Output-2

U.N → Fill

P.W → Fill

→ Click it is working [Ellame fill panna mattum dha]

9) Input tags

Year of birth

(*) ~~(max tag)~~ → maximum

<label for = "yob"> Year of birth </label>

<input type = "number" ^{(or) num} name = "year"
id = "yob" maxlength = "4">

O/P

Year of birth [1997]

(*) (min tag) → minimum and max tag

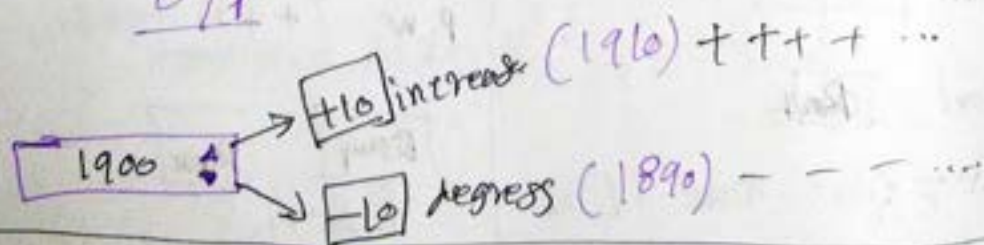
① min tag
<input type = "number" maxlength = "4"

② max tag
min = "1900">

<input type = "number" maxlength = "5"
max = "1900">

<input type = "number" maxlength = "4" min = "1900"
Step = "10">

O/P



<input type = "url">

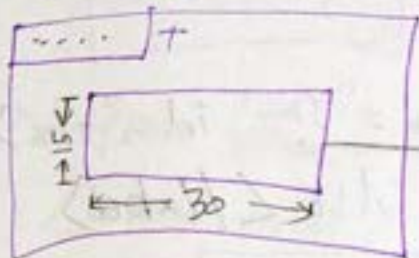
<input type = "search">

10) Text area tag

Example

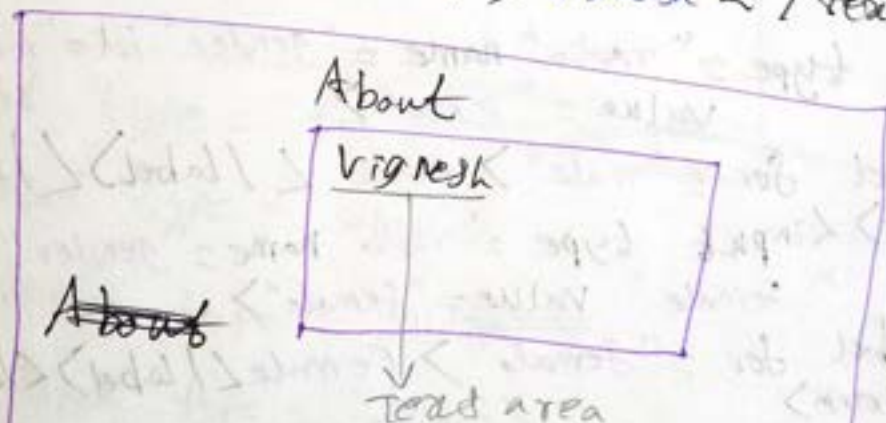
```
<div>  
<textarea name=" " id=" " cols="30"  
rows="15"></textarea>
```

O/P

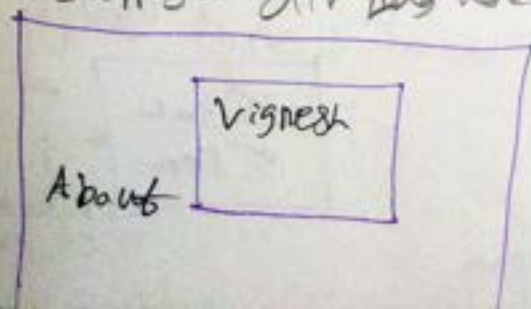


Form

```
<div> <label for="ab">About </label> </div>  
<div> <textarea name="about" id="ab"  
cols="30" rows="4">Vignesh </textarea>
```



Suppose div tag use parmalena output if the
varum



11) Checkbox tag

<label for = "smsal"> SMS ALE </label>

<input type = "checkbox" name = "sms" id = "smsal">

O/P →

SMS ALE ☒

<input type = "checkbox" name = "sms" id = "smsal">

<label for = "smsal"> SMS ALE </label>

O/P →

☒ SMS ALE

(2) radio tag

<div>

<input type = "radio" name = "gender" id = "male" value = "male">

<label for = "male"> male </label> </div>

<div> <input type = "radio" name = "gender" id = "female" value = "female">

<label for = "female"> female </label> </div>

</div>

O/P

☐ male
☐ female

→ Idhula edhachi
 onnudhan click dagum

⊗ Suppose input kulla value mention pannale O/P indha modhira

☒ male
☐ female

→ Elavale
 Tick dagum

13) Option tag (Select and option)

<form>

</div>

<select name = "State" id = "State">

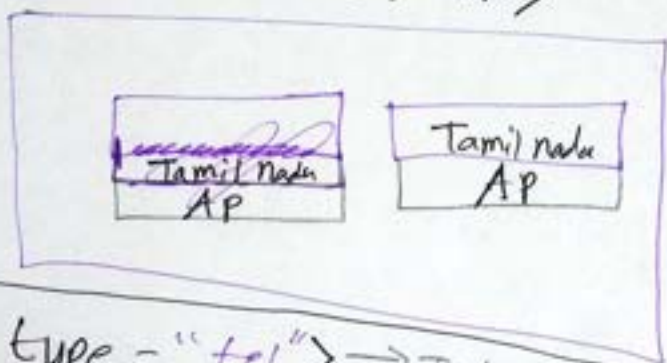
<option value = "Tamilnadu" Label = "Tamilnadu">
</option>

(or) using another method
↓

<option value = "Tamilnadu">Tamil nadu</option>

<option value = "AP">AP</option>

</select> </div> </form>



<input type = "tel"> → Telephone

<input type = "color">

<input type = "hidden">

<input type = "file">

14) Input image tag

<input type = "image" src = "im.jpg">

→ Image Path

15) Form/a morethan datas (Niraya datas)-ah
uqe panyra [enctype = "multipart/form-data"]
Data type pannarum

Example:-

```
<form action = "2.html" method = "get"  
      enctype = "multipart/form-data">  
  <div>  
    <label> ... </label>  
    <input> </div> </form>
```



CSS

CSS

(S) - and \rightarrow /* <P> ... </P> */

Structure of CSS

P { ← Selector

property { color : red;
text-align : center;
font-size : 15px; } Value unit

Three Types to Link CSS in HTML

- 1) Inline style (Inside the tag to style)
- 2) Internal style (Inside the head tag)
- 3) External style (External *.css file)

1) Inline style (Syntax):

Ex: <body>

<P style = "color : red ; text-align : center;">
Hello word

Choose any
file name

2) Internal style (Syntax):

Ex: <head>
<style>

P { color : red ; text-align : center ; } </style> </head>

3) External style (Syntax):

Ex: <head>

<link rel = 'stylesheet' type = 'text/css'

href = 'style.css'> </head>

Choose file name

idhu no change
idhu type - ah parathu
change pannalam

1) Inline Style

<body>

<div> Inline Style

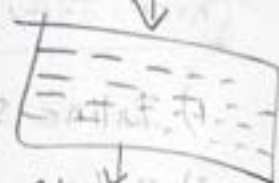
<P style="color: orange"> Html, C++, Java, Sal, JS, PyS, Python, C, C++, C#, PHP, VLSI, Microprocessor, Microcontroller. </P>

<P style="color: red; text-align: justify;"> Html, C++, Java, Sal, JS, PyS, Python, C, C++, C#, PHP, VLSI, Microprocessor, Microcontroller. </P> </body>

Output:

Html, C++, Java, Sal, JS, PyS
Python, C, C++, C#, PHP, VLSI, Microprocessor, Microcontroller

No Justify (Left)



Left alignment

Html, C++, Java, Sal, JS, PyS
Python, C, C++, C#, PHP, VLSI, Microprocessor, Microcontroller

Justify (Style)



Right alignment

2) Internal Style

```
<head>
  <style>
    h1 {
      color: red;
      background: black;
    }
  </style>
</head>
<body>
  <h1> Vignesh </h1>
</body>
```

3) External Styles

external.html → file name

```
<body>
  <h1> V </h1>
</body>
```

```
<head>
```

```
<link rel="stylesheet"
```

```
      href="style.css"
```

```
      type="text/css">
```

```
</head>
```

```
<body>
```

```
<h1> V </h1>
```

```
</body>
```

style.css → file name

```
h1 {
```

```
  color: blue;
```

```
}
```