Teaching 4:30 hr

HTML - 5

Date
Page

• Hyper text ~~[illegible]~~ Markup language.

⇒ <! DOCTYPE html> → document type

<html>

<head> → in head metadata it was too written
it is not a visible part.

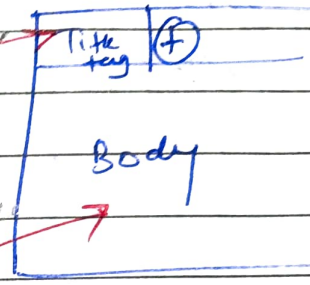
<title>

this is html (title tag)

</title>

</head>

<Body> → in body all content are visible on web page.



<P> this is body Area in which
Paragraph is given </P> and just all tags.

</Body>

</html>

Doctype → if we initially declared than they prevent time to load page by browser.
Browser Because to see DOCTYPE Browser Understand this is a HTML and its 5th version of HTML.

Doctype Math → for Mathematic | DOCTYPE SVG → for Graphic.

Element - Paragraph link Image Video

Attribute → additional information about element is Attributes.

image → length, width
Attributes.

<TagName> content </TagName>

ELEMENT

Date
Page

Format

How to set Attribute in Element

- <TagName attribute1 = "value" attribute2 = "value"> Content
  </TagName>

ex-1

- <P width="100px">This is P tag </P>

ex-A

- <img src = " file name & location "> //empty HTML tag because they don't have closing tag.

available closing tag (their attribute is a element).

ex-B

-
 // for break line. (empty HTML Tag.)

Indentation

- the way of writing code is Indentation.
  the child is always start with space
  code look like hierarchical

```
<Parent>
    </Child>
    ============ //Content
    <Child>
</Parent>
```

- Comment in HTML
  <!-- Comment -->

Heading

<body>

- <h1> h1 Heading </h1>
  <h2> h2 Heading </h2>
  ⋮

H1
H2
H3
H4
H5
H6

---

line tag

<h1> H1 Heading </h1>

<hr> for line <!-- Horizontal -->

H1 Heading

H1 Horizontal line.

in <Hr> tag there is no end tag exist.

- break tag

 Empty tag.

with the help of this we can go next line and if we need more space B/W lines the we us <br> tags more time like

on browser.

line 1

line 2

- <Pre> Pre formated → they way you write same way displayed.

(Same Style)

</Pre>

generally we use in Poem, Quote etc special

HTML TAGS

Date
Page

- <b> Bold B/w line </B>

- < Strong > Strong word </Strong>

Bold and Strong Both are Same they Bold the letter B/w the Paragraph. But bold means you only bold letter and Strong ~~means~~ means they give Strong Value in Paragraph

- WORD
  italic (word turn).

font change in italic.

- Emphasis

Emphasis tag (Jor daalo)

- <small> word </small>

  word font size small

- < Mark > word </Mark >

Highlight the Sentence or word. look like highlight as we see like on copy. (yellow colour)

- Delete tag

<del> word </del>

Previous word is exist in line But NOT Now

- <ins> word </ins>

word in paragraph means previously this word is not in line but Now it is add new.

- X ₂
  → as base

Sub tag use in Maths formula.

X_2

- X ²
  → as power

X^2

sup tag use for denote X^2 square.

- Quotation tag

<q> ——— ———

<q>

" ——— "

→ they output Quotation Symbol itself.

- <blockquote> ——— </blockquote>

Keep space.

Keep space

★ अगर Quotation किसी और को है तो।

<blockquote cite="http://google.com"> = <1>

* Abbrivation tag
<cabbr>

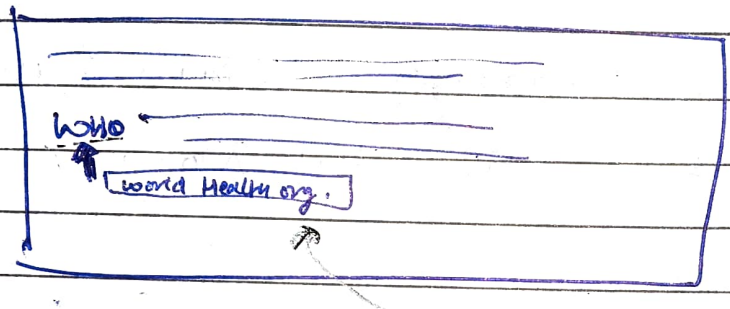
<abbr title = " World Health Organisation " >

WHO </abbr>

Show like this on browser.

WHO

when courser go on word it shows world Health organization like this



- <address>

Delhi India
800002

</address>

- < Cite> The Lost Kid Book </cite> is written by _____

Title

author name

use for name of book, general, research paper etc. title.

there is 1 Plugin in VS Code with the help of when you type lorem no. of words then that number word is come in paragraph.

Ex

<P> Lorem 1000 </P>

output

1000. word paragraph by Appu Automatic.

<P>

</P>

(1) <a href="#local" target="_blank" title="" > Read More </a>

<P>

</P>

(2) <P id="local" >

</P>

(1) Read More → click

(2) direct scroll go on 2nd para by scrolling on webpage.

property-1

HTML Link

Move from one page to another page. with the help of Anchor tag.

<a> </a>

<a> Read More </a>

Read More

- <a href="http://www.google.com"> ReadMore </a>

on Same page if we click on ReadMore they direct same page on that link site like google.

property-2 for open that link in New tab. we use

<a href="http://www.google.com" target="_blank">
Read More </a>

* difference Here

When we click on Read More they direct on linkpage which is in hrey but on New tab on browser

property-3 to show Hint on which link you go when you click that (show hint).

Read More

go to google.com

<a href="http://www.google.com" target="_blank"
title="go to google.com"> Read More </a>

they show the hint line at that website on which when you click on that where you go.

local link → when you click on local link they hilight another content on same page (scroll करके ले जाता है).

<p id="local"> // create another paragraph which you hilight.

Date
Page

<a href="#local" target="blank" title="Go to google.com">
Read More </a>

• Email link

When user click on Email link his browser redirect on default Email software on his computer system and in To: see automatic fill our Email add. for that we use

<P>
Contact us on <a href="mailto:admin@com">
admin@com </a>

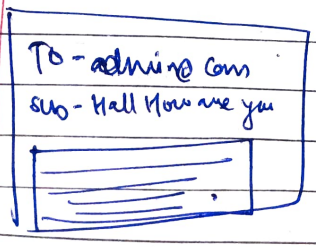
<P>

Contact us on <a href="mailto: admin@com">
admin@com </a>

</P>

if you want to add subject default also than use.

<a href="mailto: admin@com? Subject= Hall How are you">
admin@com </a>



→ these two sec automatically filled just by click on Email.

Image in HTML

1 folder < .html, .png

<img> → No content (empty tag)
No end tag.

<image src="image.png">

Case-1

src → source add
picture kept on same folder on which web page file is kept.

image → name of image should exact same bcz it is case sensitive along with format of image.

1 folder < 2 file

↳ if image in another folder:

1 folder | .html
2 folder | .png
images (folder name)

<image src="images/image.png">

Case-2

images → another folder name but it kept in contacts of html page file.

If image in not fetch then broken image is shown so file
to prevent this we use alternate
alt="logo" > so that user can understand
that there is logo image which is till not not load

<image src="images/image.png" alt="logo">

<image src="images/image.png" alt="logo" width="200" hight="100">

width → set width
hight → set hight.

define in pixels

• Marque tag. → Not supp we do through CSS and JS Now a day.

<marquee direction="Right"> this is a moving text </marquee>

// with the help of this image or text is move on web page in all dirn → left, right, up, down. (in all dirn).

Ordered List.

⇒ • order list if we want to make simple list then we use

```
<Body>
<Ol>
    <li> Coffee </li>
    <li> Milk </li>
    <li> Tea </li>
</ol>
</body>
```

li = list items.

1. Coffee.
2. Milk.
3. Tea.

```
<Body>
<ol Start="11">
<li> 11 </li>
</li>
</li>
</li>
</ol>
</Body
```

↳ <ol • • types="A or a or I (Captial I for Romanno.) or i (small i for Roman) or

list under list.

```
<ol type="1">
<li> Coffee
    <ol type="a">
        <li> Black </li>
        <li> Mocha </li>
    </ol>
</li>
<li> Milk </li>
<li> Tea </li>
</ol>
```

1. Coffee
   a black
   b Mocha
2. Milk
3. Tea.

1.22

- unordered list (Bullets).

in this we use basic bullet points formed.

```
<body>
    <ul>
        <li> Milk </li>
        <li> Ghee </li>
        <li> lassi </li>
    </ul>
</body>
```

- Milk
- Ghee
- lassi

Nested list

```
<body>
<ul>
    <li> Milk
        <ul>
            <li> Cow </li>
            <li> Camel </li>
            <li> Buffalo </li>
        </ul>
    </li>
<li> Ghee </li>
<li> lassi </li>
```

<ul style="list-style-type: square;">

- Milk
  - Cow
  - Camel
  - Buffalo
- Ghee
- lassi

list style type

- disk •
- Circle ○
- Square ■
- none

---

we can make order list under unorder list or vise versa it is not fixed.

- Discription list. → we define terms & give definition
  Ex Dictionary

  word → Meaning

<body>

<dl>

① <dt>Coffee</dt>

③ <dt>Milk</dt>

Coffee

- White Cold drink

Milk

- Several types of Milk

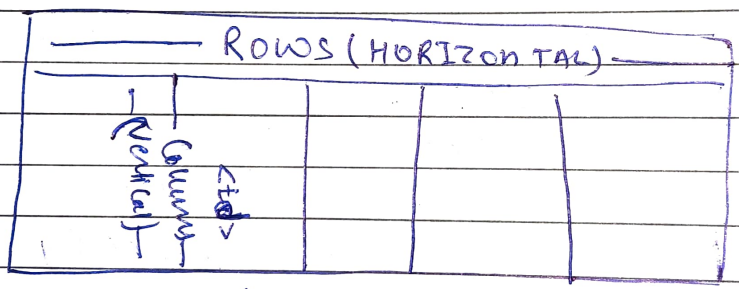
②

~~Cold drink~~

② <dd>- White Cold drink</dd>

④ <dd>- Several types of Milk is</dd>

★ ★ ★ HTML TABLE ★ ★



<tr>

in table first we have to make all rows
then we can create columns.

<table>

Col 1	Col 2	Col 3
Data 1	data 2	data 3
data 4	data 5	data 6
data 7	data 8	data 9

Date
Page

```
<body>
<table  border="1">   // for create border on table u
                         use and to size in pxl.
  <tr>   // use tr for table rows. 1st for heading
     <th> Coloumn 1 </th> // use <th> for table he
     <th> Coloumn 2 </th>
     <th> Coloumn 3 </th>
  </tr>
 <tr>
     <td> data 1 </td>
     <td> data 2 </td>
     <td> data 3 </td>
  </tr>
   <tr>
       <td> data 4 </td>
       <td> data 5 </td>
       <td> data 6 </td>
  </tr>
  <tr>
       <td> data 7 </td>
       <td> data 8 </td>
       <td> data 9 </td>
  </tr>
</table>  </body>

<bod
```

```
<tr>
    <th> row 1 </th>
    <td> data 2 </td>
    <td> data 3 </td>
    <td> data 4 </td>
</tr>

<tr>
    <th> row 2 </th>
    <td> row 1 </td>
    <td> row 2 </td>
    <td> row 3 </td>
</tr>

<tr>
    <th> row 3 </th>
    <td> data 4 </td>
    <td> data 5 </td>
    <td> data 6 </td>
</tr>

<tr>
    <th> row 4 </th>
    <td> data 7 </td>
    <td> data 8 </td>
    <td> data 9 </td>
</tr>
</table>
</body>
```

Row 1	data 2	data 3	data 4
Row 2	data 1	data 2	data 3
Row 3	data 4	data 5	data 6
Row 4	data 7	data 8	data 9

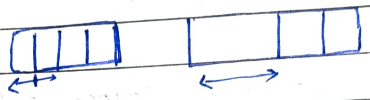
- it is not compulsory only take data in table you can take any things or using any tag inside table like vido audio image links, href links ex

anchor tag = a

No. of Column Mixed

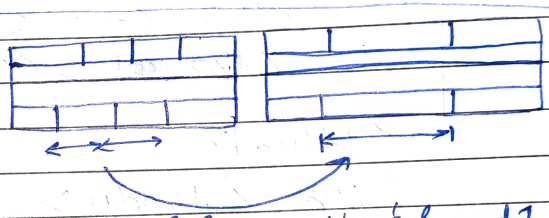
- Combine Row (Span) Rowspan <td colspan = "2" >
- Combine Coloumn (Span) Colspan
  ↳

- Combine Column



<td colspan = "2" >
↳ No. of Column Mixed.

- Combine Row



• 2 Row combine & formed 1.

<th row span = "2" >
↳ No. of Row Merged.

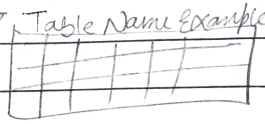
Note → if you Combine Row or Colum then you have to Remove content like Row & Colum from Next otherwise str. is Not alligned

---

Table Name is in CAPTION. (Table heading).

<thead>
< Body >
~~<Table~~
< Table border = "1" >
< Caption > Table Name Example </Caption>
< Tr >

Table Name Example.



</Table> < /Body > ~~</Table~~

Date
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- <thead> This is basically use for styling thed is used so that we can customize our heading.

<table Border "1" >

all these are for red colour

<thead style="colour : Red;" >

<tr>

#01

<th> Col 1 </th>
<th> Col 2 </th>
<th> Col 3 </th>

Col1	Col2	Col3

</thead>

<tbody> → we can also customize tbody

<tr>

<td>

</tr>

</tbody>

Here we can again copy #01 Means <thead tag tag Ger if we scroll down long content data then we can remember which row it is

Here after copy Part only name is change <tfoot>

</tfoot>

Col1	Col2	Col3

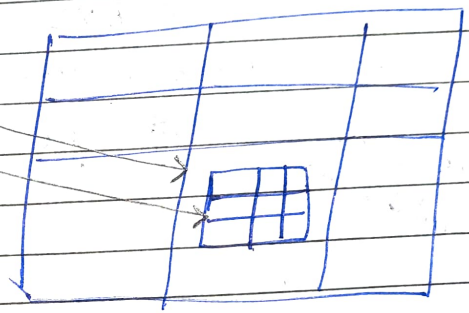
Col1	Col2	Col3

Nested Table

~~table under table~~

we already Create table in under td
means under Column

<td>
<table>
<table
<td>



DIV and SPAN

↳ Create Structure to ~~Stand~~ (HTML)..

 Block Element

< Span > Inline Element.

Both are Rapper of rest Element tag. So, that we can Rapped that ~~Much~~ Much Content and give Style to that much part..

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DIV → Block Element.
always starts with new line and takes up the full width Available (Streatches out to the left and right as far as it can).

<DIV> .

take 100% width. until and unless aap Style use kar के होंगे तो करो।

Some block level element →

SPAN → Inline Element does not start on a new line and only takes up as much width as necessary.

Example
Div

```
<body>
<DIV> random text
</DIV>
<DIV> Random text
</DIV>
<SPAN> Random text2 </SPAN>
<SPAN> Radom text2 </SPAN>
```

RANDOM TEXT
RANDOM TEXT
Random Text2 Random text2

for better understand use Style & see

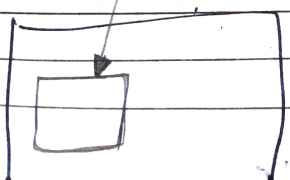
```
<div Style="border: 1Px Solid Red;">
div randoms Text </div>
```

```
<span Style="border: 1 Px Solid red;">
span randomtext </span>
```

iframe

for view another web page in our web page.* (only unrestricted web pages).
Basically use for comparison of data of 2 website

```
<body>
<iframe Src="Copied another web page link" PAST HERE
hight="500" width="1000" ></iframe>
```



format → types
• MP3 → mpeg
• ogg → ogg

Date
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HTML Audio

```
<body>
<audio ~~Controls~~ Controls >
    <source. Src = " Audio.mp3 " type = " Audio/mpeg>
    Your browser doesnot support audio file
  <|audio>
<|body>
```

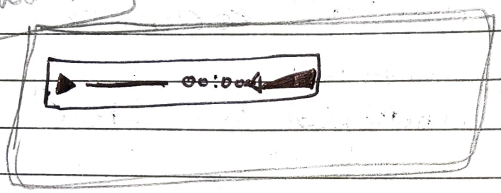
its a Attribute
↑ use for Control on Consol

Source file leap in folder
1 folder name
2 file name.with format

for type
type of file
mpeg use for MP3 file in document

this warning is for those browser who doesnot Support Audio file

it Show Automitically.



HTML VIDEO

<video autoplay>

```
<body>
<Video Controls >
    <Source Src = " Video.mp4 " type = " Vido/MP4 ">

<Video width = "1000" hight = "500" Controls autoplay>
    <Source Src "
                " type = "      ">
  your browser doesnot support Video:
```

Here Autoplay we can also use when web page lode Video Automatic Play.

Embed PDF

Imp

```
<body>
  < Embed Src = " Pdf.pdf " type = " application/pdf "
    width = " 1000 " hight = " 5000 " >
```

1

</body>

<body>

<object data="pdf.pdf" width="1200" height="400" type="application/pdf"></object>

</body>

Embed Youtube video on web page

go on youtube vido click on share Embedded option when you click code is open. Copy code.

</body>

<iframe (Past Code) </iframe>

- you can change start time of vido option is there where you copy code in share option of youtube vidio.
- you can change hight and width size after paste code in body on page.
- Show player control acc. to need also

Date: 15

Embed google Map.

1st go on google Map type Add. where you want to embed.
go in Share choose embad a map.
than choose custom size (choose or set map according to size than copy HTML & past in body and refresh page.

HTML ENTITIES → reserve Charactor or syntax part How to print on webpage
In that case to print reserve word on webpage HTML ENTITIES comes in Role. (there are two type. (I) by Name.
& name;

(II) by NO.
&# number;

Ex div print on web page by name.

```
<div >
&lt;div&gt;
&# 60; div &#62;.
```

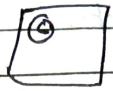
Ex2 Non Breaking Space.
normally if you are give space b/w two words more than 1 than HTML not considered for that we use to considered we use.

<P> word 1   word 2 </P>

word1 word2

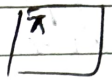
HTML SYMBOL → for all the name of symbols

Ex 1 <body> © <\body>



// ~~copy right~~ Copy right symbol.

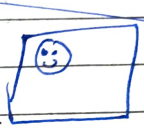
Ex 2 <body> &# 8508; <\body



Pic.

Emoji in HTML

<body> 😄 <\body



Symmentic Element → Element with meaning.

- A Symmentic Element Clearly describe its meaning to both the browser and the developer.
- Non Symmentic → Tells nothing about its Content.
  - Ex
  - Ex <form>, <table>, and <article> Clearly defines its Content.

DIV and SPAN.

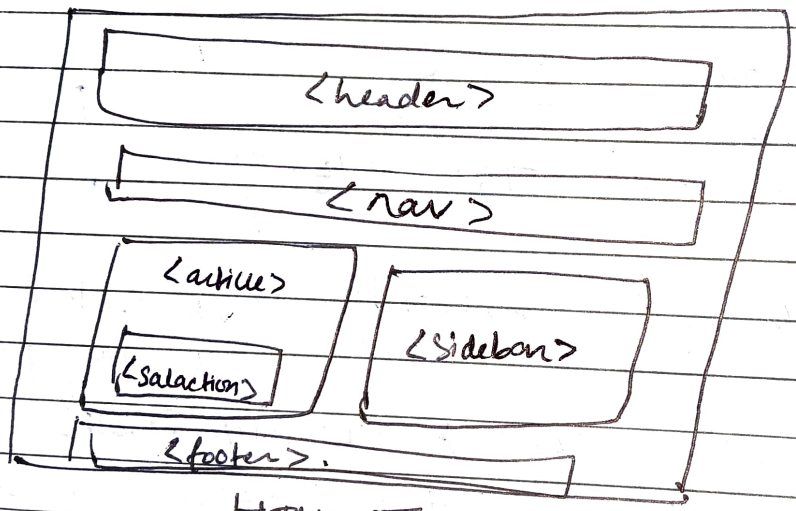
old Non Semantic Element in HTML

<Div id="header">

HTML 4

New Symantic Element in HTML 5

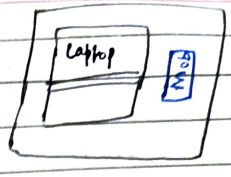
<article> <aside> <details> <figcaption>
<figure> <footer> <header> <Main> <Mark>
<nav> <section> <summary> <time>



HTML 5

HTML Image Map.

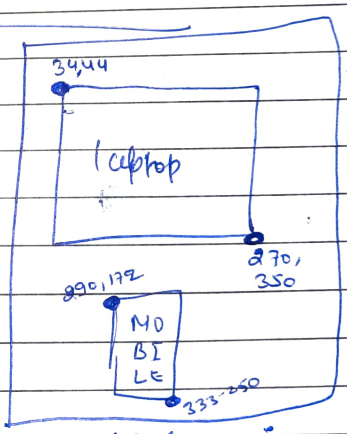
- for 1 link for all Image.




```
<body>
  <a  href = " http://www.amazone.com " target = "_blank">
      <img  src = " workplace.jpg" alt = "  " >
  </a>
</body>
```

- we can also define area in one image and get more than one link in one image. Means on click on different, differ. obj in image diff-diff link it open. and we can define shape also. of obj circle, Rectangle, Polygone.

```
<head> <body>
<img  src = " workplace.jpg" alt = " "
      usemap = " # workplace" >
<Map  name = " workplace " >
<area  shape " rect "  coords = " 34, 44, 270, 350 "
href = " amazone.com/laptop " >
<area  shape " rect "  coords = " 290, 172,
      333, 250 "  href = " amazon.com/mobile " >
</map>
</body>
```



workplace.img

- image Map generator / image Map.org → Select image. choose shape

- Circle : 1 Coordinate
- Rectangle : 2 Coordinate
- Polygon : more than 2 Coordinate

href	link of Product
title	Name of Product.

Copy all Code and Paste in Editor.

HTML forms

Collect data by input of users.

Backend dev. part by default
if take set option if we not write anything
form response submission page add

```
<body>
<form method="GET/POST" action="Submit.Page">
<div> Name: <input type="text"> </div>
<div> <br> <input type="submit" value="Submit form">
</div>
</form>
</body>
```

forms Input Type

```
<body> <form> <div> Text:
<input type="  " ><br>
</div> </form> </body>
```

"Text"

<input type="range" min="1000" max = 10,000 >

1000 — 10,000

"number"
only num value can enter

"Password"
• masked se esh

"Reset" Reset
• all form clean

"Time" --:-- --
Hr Min AM PM

"URL"
• only https: google.com type things accepted

"Submit" button SUBMIT

"Color"
Choosen color code is comes in Submission report page

"Date" mm/dd/yyyy

"Email" @ . com
is mendatory
clearing Submission

"hidden"
Basically Here user cannot write any thing but the thing you write in value that response is submit in form or you can fetch any data or location through browser during fill form

 Hidden:
<input type="hidden" value="Delhi">
that is good for ~~g~~ use for Hacker & developer.

Form file Upload

if we have ~~More file size data~~ to prevent loss or corrupt during upload so we use (backend development)

<form Enctype = " multipart / form-data " >
<input type = "files" multiple >
</form

↳ to select multiple file

[Browse] 3 file Selected.

HTML Input Attributes

↳ field V. tag में functility or views change कर सकता है

<form>
<input type = "text" Value = " Maan" readonly disabled - - - -
<input type = "Submit" Value = "go" >

- Autofocus → Cursor automatic then along with load on web page
- we use value by default we want show ~~[illegible]~~ Constant or we want to show previous data input by user in that case we use value. (during Edit form section
- required → this field is Compulsory to fill up.
- readonly → no change only for show
- disabled → Constant field use in case of Choose only 1 option from many if you choose 1 other will disable.
- Size = "20" [ ] [go] only 20 character show other next will be hide automatically.
  No limit on input word only limit on show words no.
- Maxlength = "20" size "50" > [ ]
  it can show 50 word but user can only input 20 words.
- Placeholder = "Enter Name" > [Enter Name] and
  if you start type input it dissapear (basically it is for hint)

Min & Max Not use in text only use in No., date, Range.

Date
Page

```
<form>
<input type="number" min="5" max="10">
<input type="submit" value="Go">
```

```
<form>
<input type="Number" value = 1 step="5">
<input type="submit" value="go">
```

Default value

No. of terms increase or decrease

Text → autofocus → No need to click in box form start typing input when you start typing it automatically type inside this.

- autocomplete="on" or "off"
  if you successfully submit form and you again goes fill same form then if you click double inside box it give hint (hint = you previous input record).

Text

```
<input type="text" name="firstname">
<input type="text" name="lastname">
<input type="submit" value="go">
```

- this is for database so we can know this input go as a first name and this is go as last name form form.

HTML Textarea

During fill form big box is there so that you can write any things in that.

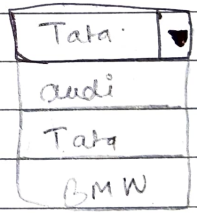
```
<body>
  <form>   <textarea rows="20" cols="50">
  placeholder="Enter Discription"  Hello....   </textarea>
```

Enter discription // Hint ~~Start writing it disappear~~	Hello.... 1

SUBMIT → this is image i want to use as submit buttons.

```
<input type="image" src="image location, or link" width="100"
                                                  height="50" >
</Form>
```

HTML from Select Option




```
<head> <body>
<form>
  <Select size="2" multiple>
    <option value="      "> audi </option>
            "      " Selected> Tata </option>
            "      "> BMW </option
```

size → how many items view when you click on type

→ for select multiple option

Default view

Here thing is store in Database when you select that option.

```
<form> <select>
<optgroup label="Car">
    <option value="audi">audi</option>
    <                 "     "> Tata</     >
    <                 "     "> BMW</     >
    <
</optgroup>
<optgroup>
<optgroup label="Sports">
    <option value="     "> Cricket</option>
    <                 "     "> Hockey</     >
    <                 "     "> football</     >
</optgroup>  </select>  </form>
```

Car
audi
Tata
BMW
Sports
Cricket
Hockey
football

HTML Radio Button

if all 3 same then only you can select from Database

only 1 opt. Else Multiple select Enable

View on website

it basically use for if person have to select only 1 option out of given

```
<body> <form>
<input type="radio" name="gender" value="Male">Male
       "  "  "gender" value="Female" checked>female
       "  "  "gender" value="other">other
```

types of Button

Default Selected

O Male ● Female O Other

40. HTML Checkbox

it basically use for if user have to select multiple option out of given

```
<input type="Checkbox" name="sports">cricket
<input type="Checkbox" name="sports">football
<input type="Checkbox" name="sports">hockey
</form>
```

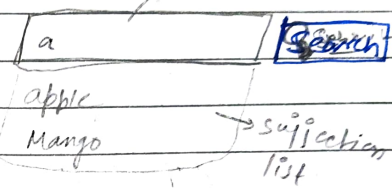
Here if name is same then also you can select multiple option.

☐ Cricket ☐ Football ☐ Hockey (multiple select)

HTML DATALIST

if we write 1 things in search bar with the help of that keywords they show or suggest all items which is related in data base. (i.e) html datalist

```
<form>
Search <input type="text" list="Search">
<datalist id="search">
    <option value="apple">
    <                 ="Mango">
                      ="orange">
<|datalist
<input type="Submit" value="search">
<|form> <|body></html>
```



Label, Fieldset and Legend

```
<forms> <div>
<|label for="frame"> First Name <||label>
<input type="text" name="first_name" id="frame"><br>
    <|div>
    <div>
    <input type="Submit"> <|div> <|form>
```

male

#01

⇒ with the help of label we can merge

First Name

if you click on this cursor automatically pointed in the box. So basically it's a good practic to add label in every type of inputs.

Date
Page

<body> <form>
<fieldset>

fieldset

<lable
<input
<lable
<input

<|fieldset>

First Name
Last Name
fieldset-1

<fieldset>

<lable
<input
<lable
<input

<|fieldset>

address
Mobile
fieldset-2

basically it is use for border the input form.

<fieldset>

legend

<legend> Basic info : <|legend>

lable
<input
<lable
<input

<|fieldset>

Basic info
first Name
Last Name

basically it is use for Name the border for which it grouped

SEO Tags

Search Engine optimisation

- <head> <Title> Home Page <|title> <|head>
- <head> <meta name="description" Content="this is a page about new car"/> <|head>
- <head> <meta "keyword" Content="new, car"/> <|head>
- <head> <link rel="Canonical" href="Canonical"/> <|head>
- <head> <meta name="robots" Content="index, follow"/> <|head>

noindex, nofollow

This is basically use when you build same content from diff URL

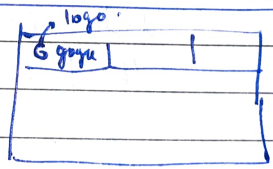
- Canonical → this is basically when you create two same content site from two diff-diff url in that case SEO is desirable showing page to browser this we already declared an second url link in this tag. So that it optimize.

- robot in robot basicall two features is Cannot (index, follow or Noindex, nofollow).
इसे चीज को Search Engine से दिखाना है या नहीं पढ़ने के लिए।
index → read and follow in database
follow → इस page से जितने link है उनको भी call करना है S.E.Base से दिखाना है।

Nofollow → link को Search Engine से मत दिखे बल्कि वो अलग External link है।

noindex → Suppose login page है तो उसको दिखा नहीं सकते तो हम use करेंगे head में।

Favicon



Fav icon

<Head> <link rel="icon" href="favicon.jpg" type="image/jpeg"> <\head>

image type

image path with name of image.

But if you open on diff. diff device like on mob. tab then trouble to resolve this
go on google.com → fab icon generator Search
→ real fab icon generator → select image → —
Continue this pic then Share Every where
→ click on generate → then give some code (5-6 line)
Copy all and paste in code in head tag
direct →
download package and copy in html folder location
and then extract Here. → then set paths
correct in code. of that folder.

Style in head tag. → How to add CSS page in HTML. (two way)

(1) Method

Create new CSS file along with filename.CSS
and link this file in html page in
head tag by: —

```
<head>
<link rel="stylesheet" type="text/CSS" href="filename.CSS">
</head>
```

2nd method →

```
<head>
<Style>
    body {
        background-colour: blue;
    }
</Style>
</head>
```

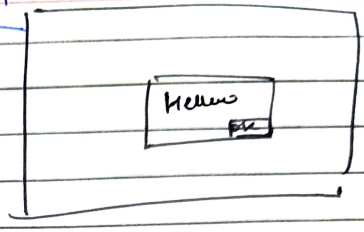
only that which code in html file

Add Java Script in head.

Script & Non Script

#01

```
<head>
<Script>
    alert("hellow");
</Script>
</head>
```



2nd method

Creat 1 file Script.JS and #01 Code (only) in that file and link in head by:-

```
<head> <Script Src="Script.JS"></Script> </head>
```

```
<head> <noscript> Please Enable Java Script in this browser! </noscript> </head>
```

↳ if Java Script is not Enable in that browser then message is automatically show

Open Graph and twitter Card tag.

↳ by facebook

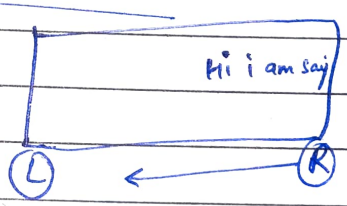
↳ by twitter.

View port Media tag → Site को responsive बनाता है website को।

```
<head>
<meta name="viewport" Content" width=
    device-width, initial-scale=1" >
</head>
```

Right to left website

```
<!Doctype html>
<html dir="rtl" >
<head> <title> </title> </head>
<body><P> Hi i am saj <P> </body>
```



in Some urdu and arabic case we need one website (R) → (L) Dir^n Bcz its language Read Rule so by use Short Code <html dir="rtl"> we can build this

* along with also update HTML Language in before head tag

W3C HTML Validation

word wide web Consortium (W3C) organisation which developed HTML, Update, Maintain also by this it provide tool where you can paste your code and you can see your code ~~it~~ have Error or not.
because in browse HTML have no Error so to check Error we use these site tool.

- it also provide rule

⇒ to ~~check~~ check go w3c validator.org

Q 3 way you can check
(I) by link if it active
(II) upload file of HTML
(III) Paste code

then Checker