3

HTML - Hyper Text Markup, Language.

- -> HTML is a markup language which provides a set of tags suitable 181 making up webpages.
- -> HTML is a scripting larguage to web pages and output of programs can be seen abler using browser
- -> HTML is a hyper text language, because it supports tout styled text, pictures, graphics and animations.
- > The HTML documents one plain text tiles. These one created by using text editor like notepad.
- > HTML is a tag-based system. A tag is a special instruction for browser.
- → A lag is made up of lest operater (<) and a right operater (<) and a logname between their two operators. optionally ten name contains one of mote parameters.
- -> The browser won't generate any errol.

syntax:

< tagname [porameter = value] > |

Lett operator | Right operator.

Note: Dout I give any space blw left operated and tograme In HTML, the energy tog can have corresponding ending tog preceded by backslash symbol.

· (1) ludimuz

Structure of HTML document:

All HTML documents does tollow some

It has two blocks

Head block on a 1 111111

Body block and do do o

> Head block contains control inbolmation used by
the browser and title of the document.

→ Body block contains content that displayed on screen and tags, which controls how that content is formated by browser.

The basic HTML document is

<html>
<head>
<html downent <1+itle>
<ittle> A' HTML downent <1-itle>
<ittle>

<html>

<html>

<br

-> In html document, the energy long can have corresponding ending long preceded by blackslash symbol (1).

 * Basic HTML Tags:-

> <html> --- </html>

This is the basic tag of html document. By using this tag the browser can identifies the kleather it is html document 81 not.

> <head> --- </head>

This tag indicates the first part of HTML downerst and it contains control information and title of the html downnest.

> <title> --- </title> syclands and spile

It specifies the title of the Hml downent.

The indicates the second part of HTML downest and it contains all the remaining information about webpage. The body tag has different porameters which indicates background, bgcdor -- etc.

Blocks (>-Alocks (-Alocks (--Alocks (---

The two major blocks of text in Html document are paragraph and headings.

- (i) ---
 It specifies the possagraph.

· * Property ?

< 100 HZ

blocks . himl

<html> < Inthis < Inthis & < head> 21 Lihead> NES VERLINE WILL BUT THE BUTTER The document and different text headings <h1> Web Technologies </h1> <h2> Web Technologies < 1h2> <h3> Web Technologies < 1h3> < h4> Web Technologies < 1/h4> thankendi <160dy> to 1/2/ Evonal and 2 who there of </h

Text ! tourselike and and what sit . my down

The text on a HTML page can be altered in a

number of ways (i) <-font Size = "[+1-n]" color="# rrggbb">--- By using this tag we can set the size and color text. to the text. (ic) --

It bolds the text.

jür) 20> ··· 210>

It underlines the last proposed

(iv) <i'> ... </i> / Last each each war tool - Italic text

```
(vi) <em> ... </em>
-tol emphasis (new standard tol Italic).

(vi) <strong> ... </strong>

tol strong>

(new standard tol bold).

(vii) <s> ... </s>
Strikes The Text.
```

Kalls valous late almost and a

Example:

```
Text. Wiml
   <h+ml>
                             0 < du21 > 1 < 102 > H
   < head>
   <title> Text </fifle>
                 db> Basic Malhemetral - 1800

<
<body>
    <hI> changing font sizes < 141>
    <font SIZe="3"> Medium < Itont>
     <-font color="red" > Red < Hont>
    <font char="blue"> Blue < Hont>
  <6> < u> < i> Text styles < 1i> < 14> < 14>
    <b> Web Technologies <16>
       <u>> Web Technologies </u>
    <i> Web Technologies </i>
      cem> Web Technologies <1em>
       estrong> Web Technologies </strong>
       <5> Web Technologies <15>
 // < 1 body>

<pre
```

→ Horizontal Rule <hr/>
<hr [width =n] [SIZe=n]

[align = {left/Right/Center} [Noshade]] 1>

Subscripts & Super scripts: < Sub> ... < Isub> - subscripts <sup>-- < Isup> - super script

I do backwall mare! morele al Example:-

SS: NAMI () < html> wat my losting <body>
 Fôlmula fôt water <16> < h8/> H < sub> 2 < Isub> 0 Cbr1> - JULYS Trop & July

2 b> Basic Mathematical +amula < 1b> <hY/> (a+b) <sup>2 < 1sup> = a <sup>2 < 1sup> + besup>221sup> +2*a+b. </h

character escape sequences Pamp; zubsp; alt; 29t; 22uot; 20py Sold Repolars of July CO

CUIS DECKNAROUES CIUS

Anchor log is used to create link between two documents, minimum it requires a portameter i.e "href" Which indicates destination document.

The most important capability of heml is its ability to create hyperlinks. Hyperlinks can be applied > Hersonial Peris to either text & images.

syntax: <a href: "address" > Text <10>

Erample:-

welcome . html: -

< html>

< head>

<tile> Nelcome < Itile>

</ri>

< body>

< hi> helcome to HTML </hi>

AND AND THE AND THE COLUMN

a loss - alos - table burship ill

which it against the otherwise

all of som sipports of the

21 spream 2/html> <ill a group + il a

Home . html :-

< html>

chead>

chitle> Home <14,061c>

clhead>

<body>

< a href = "welcome. html" > click here

(1) temorphomes (1)

CAL TANKS

spring o the

2990 0

SILLS THE FOREST WILLS

</body>

cln+ml>

* Lists :- " In the well and the state of beauty

List is a collection of items and they may be

Edered & un ordered.

HTML provides 3 types to list

-lei berebro (i)

(ii) Unordered Ust

(ici) definition list

Mod by Zdl> --- Zldl>

(i) Bldered list: - <01> --- </01> This is used to display the list of items in a older. It can use the numbers of roman numbers of alphabets as type of order. It has one inbuild tag i.e :- In this list the default older is numouic. EX:- 201> EX:- 201 Gpe = 'A'> Zli> grape < Ili> Zli> orange < Ili> <101> 2101> moly 0/p:- A. mango op: 1. orange B. orange 2. grape Ex: <11> cricket 2/4> < book 5 211> Football 2/11> dels and widelold to show a first to olp: III. cricket IV. Football colols (ii) unordered List: - Lul> --- Llul> This is used to display the list of items by using different types of symbols. In this also there is a inbuilt tag i.e alt> -- a/Li> In this list the default symbol is dot (.). Ex: - Ex:- Zul> 211> orange 2111> elis cricket ellis elis apple Ulis clis Football 2/117 dleto 2/ul> 21u1> Olpi- o cricket ... 010: o orange · apple o Foot ball

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```
(iii) definition list: - <dl> -- </dl>
         The definition list is used to specify list of
 terms and their definitions.
     It has the following tops
   <dl> tag specifies the definition list.
   <dt>> tag specifies the defined term.
  <dd>> tag specifies the definition to term.
  EX:- Zdl> CINIS IN motion of deals
         Ldt> HTML 2/dt>
         <dd>> HTML is the markup language <1dd>>
 Edt> XML KIdt>
          cdd > XML is the entended markup language aldd
  apple at SiALS has been to apple apple of
   OIP: HTML
            HTML is the mostup language
```

XML

XML is the extended markup language

the burneyouts

Example:-

```
as a lists. WHAL
<html>
<head>
< I head>
 < body>
 <h2> unoldored list </h2>
  UL>
                 Tati maidie : 1 52
  ∠li> WT 
   CD 
  21UL>
   Ul type = "Square" >
   LU> COAD LIU>
   Lli> NS CLLI>
   Conld ..
```

```
<h2> oldered list </h2> 121 moderates (1)
 to the precoled has it told works the an
         UT LILI>
          LUS CD LIUS I military at 1250 toxo 1mil
          2101> Igol galuellof ill 200 gp
         <11> ODAD <111> <111> CIII> DADO <11>
          211> NS 2101> 11 200 01
        1 2101> williams and laborate pol debs
          <h2> Definition List < 1h2>
          <di>< < I > < MIN JMTH < 41.5
   CHIS HIML IS KIPPLY CIPPLY CHES
           <dd>> WT Stands & Web Technology </dd>
THE STORY THE CALS CONSIDER THE THE STORY STORY
           <dd> CD Stands to compiler Design < ldd>
           <191>
           <1body>
                                 JAMES 1810
```

were is the extended in the 016:-@ List of subjects till beredborn · WT · CD 00AD 2N [51 NS I WT 2 CD A OOAD CENTS TO GENERAL CENT Dedinition List WT WT stands to meb Technology. CD

THE WAY SHE

```
* Tables:-
```

A lable is a matrix of rows and columns. The table provides a highly nead be way of precenting -: PNIZOGELLAS: many kinds of information.

- pyeibbog Ilaa

Notice do Chat at it

By using table we can presenting inbamation in Structuring Lamat and structuring The whole met page. do laugimo stez

The basic table tags:-

--- :-

It indicates the Starting of the lable. The most common attribute to clable > tag is bolder. And it has distanent attributes like height, width .--. -: COMENT

--- !-

It is used to give table heading (column header) <tr

It is used to indicating strating of a Table · WOY" --- <1+d>:- <1 = vshisa (dd) = ...

It indicates the table data to a cell.

<caption> ... </caption>

It is used to insert caption into table.

Format: < table Calign = "Conter /"left"/"right"] [border = n] [cell padding = n] [height = n/2] [width = n/2] [cellspacing = n] > <caption> --- </caption> .. LIty> Chils which < to> : 11 , whire obta < fd>-- < 18d> <1tr> <1table>

```
cell padding:-
    It specifies the space between content of cells
 and its bolders in pinels.
  cellspacing:-
It specifies the space between cells.
Sets amount of screen that table will we
   in the factor of width.
height :-
       sets amount of screen that table will use
   in the factor of height. wind a lot shed the marring
           While expend still related the beautito
   Example:
report may <hbr/>heml>
              end alter our of both in the
       < head>
        <title> Table < |title> - < x > >
      2 (Keads) (Nitosibal of langer is to
        < body>
       Caption > employee details < 1 caption >
           EID < Ith> < NOHqui ) .. < NOHqui >
      ZEN> ENAME </Th>
       SALARY 2/th>

          <ti>tr> liqued [n . prilling 1100]</ti>
      < < Fq> 101 < 1fq>
            Madhu < Itd>

    \( \text{fd} > 1000 < 1 \text{fd} > \)

            CLETY
            < (TY)
            102 
            Ltd> Giridhar 21td>
            2000<1td>
            21tr>
```

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_			

0	table	- 1-4t	1 13.57		J. Freder	- U X
	employ	ee detai	الا			< \rd>
	MEID	ENAME	SALARY	b " -	183	permit -
. 5	101	Madhe	1000			
	102	Gindhar	2000		-	bod (>
	103	Ravi	3000		-	w ldi >
	4 5 -			wit		W LAI -
-						Typerid
				2 spain	ri ı	d governed.

theory of mobile - more in

* Images:

Images play an important rule in mebpages.

The total look of a mebpage is improved using images.

Images can be embedded inside document using cimps tag. Minimum it requires a parameter i.e.

"SYC", which indicates source.

syntax:
zing src="filename/path" [Border=n]

[Alt="lext"] [height=n] [width=n]>

some times we can ux images as hyperlink.

Ex:

```
Example:
                             2mages. himi
     < html>
     < head >
     <title> Images </title>
     4 head >
     < body>
     <h1> Sample images <1/h1>
                              the images 
     < This example: displays</p>
     eimg src="winter.speg" alt="winter"/>;
     2by1>
     zing src="sunrise. treg" width = 20% height=10)
                   aut = "sunnise" />
     <1body>
                   000 L 1004 201
     <1html>
OIP:-
   @I mages
                                    - UX
      Sample images
      This enample: displays the images
                                     - 2 POMT +
        stilled both smage
                   is morbiling . pol
                   · Drans silosibas i Asidas
```

Form is the most common way for a user to Communicate the information from a met browser to server.

- ! - medlad (iii)

Hams tag is used to create a neml town. This tag has several attributes and important among them one "Method" and "action" of standers 33 voit a mit

action: This attribute specifies the URL of the application, which is to be called when the user clicks the submit button (61) submitting the Jam.

Method: - This attribute specifies how the entered data in form is sent to destination. There are two methods of Sending information, one is post and other is get "

"get" method
URL. Date is visiable in site oddres
, - safel tognis tents.
No security
It sends limited characters
et love zi ziet

User Interface elements in forms:

· intov ii) Label :-This is used to display the text on the screen.

(ii) Text field :- - when some tout. It is an reanglase box. It is und to take The input from the user. This can be created using < input> tag. Madhe

Linput type="text" [size=n] [name="] Astmati-[Maxlength = n] [value="name"]) 21 inputs

	(iii) Buttons:- Button
	HTML supports thous types of buttons.
	to comple button
	- Button executes a simple button" [value= "]>
	- Submit button creates a button and it invokes the
	form action i.e submits the form.
	Holmat: - < Input type = "Submit" [value = "] > < / Imput>
	- Reset button creates a button and it clears the entries
	Which one entered by luxer in the form.
	format: - < input type = "Reset" [value = " "] > < linput >
	(iv) passual Light - block of the it was it was
	This is used to enter the password.
	format:- Linput type = "passondd" [size = n] [name = "]>
1	(V) Radio Button:
2) 14	This is used to select only one value at a time. O Radio Button
	Holmat:- <input [name=""]<="" lype="radio" th=""/>
	(value = ") > < 1 inputs
	(vi) check Box: - mas 11 & do on who brish mo the
	This is used to select multiple values at a time
	tomat: - < input type = "checkbox" [name: "]
į	☑ checkBox. [value=""]>
	(viii) Combo Box :-
-),,,,	It is used to select one value from multiple value
	+Simat: < select [name = "]>
	contians « contians
	zoption> <loption></loption>
4	< 1saleity

(viii) List box :-It is used to select one (81) more values from multiple values. It was a few and to got to Hamat: - < Select [name=""] [Size=n] > coption [selected]> -- <option> ... </option> Value! valuez <15elect> : 618 10 11 Yalue, 3 " partinged" warm " part" > " input This is just like a text-field but it has multiple (ix) Text area:alds Branch : Cltd> rows and columns. tamet: - < textorea [name=""] [rows =n] [cols = n] > 2) (x1-acea> to 1911 envitors all and CALL TOLS ADDING CHOILIGS 2 MIL 2 LATE Example:-Registration. Html < html> < head> <tile> Registration Form < | title> 2 / head > it shows the < body, bgcdor="skyblue"> < form name = "frmi"> < Center> < h2> Registration Form <1h2> < 1 center> Etypor motor summary sents <ta>> student NO: <input type = "lext" name = "sno" > </input > and and additioned funder and degree dates Chill's < Youril's 2tr> > Name:

>

< </td>

< ZIEY> CHEGIS CHAILS confd ...

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```
Gender: <1td>
      cinput type= "rodio" name = "gen" > Male </inputs</p>
     2 mbsp ... "radio" name = "gen" > Female </inputs
      eltd>
                 · < [biblishez] Neitzes
                 2 restants ... 2 hostgos
      <1H>>
      Ctr>
      > password: 21td>
      < input type="passworld" name="pwd"></input>
                               (x) Text orea :-
LIEd> CIEY>
                Table ind a still hear is sent
       <4Y>
       Branch: 
   < imput select name = "branch" >
    coption> USE </option>
             LOPTIONS ECE < loption>
             <option> EEE <loption>
              LOPTION> MELH LIOPTION>
         <1H>><1H>>
                                       - variati
        > Hobbies < 1td>
         < Linput type = "checkbox" + have = "hb" >
                playing cricket < linput> 2 nbsp
               < input type = "checkbox" name = "hb" >
                Reading 600K1 </input> 
 riber 11 = 6: </brand reliabling of code criber
        < 6d> < text-onea name = "addrs" rows = 4 cols = 15>
                  1011 tour </Extorea> 
     <1H>>
         tomen "tingl" agail togets < 645
         < input type = "submit" name = "subm" value = subm"
               2/input> 2/td>

"Reset name="75" Value: "Ruel">
              21 input> 21td> 21tr> 21table>
           ZHBIMS ZIBODYS
            </html>
```

Re	gistration Form		- 0 X
	Rogistratio	n Form	atst.
	student NO:		
	Name:		
	Gender:	@ Mak O Female	
	: pgmszad		1
	Branch :	SELECT	
	Hobbies:	oplaying cricked o	
	Address:	A	
	(SULWIF)	(Reset)	

Example:-

```
< Intml>
                            login . html
< head>
<title> Login </title>
well-line rationed AT AT 12 12 1
a body >
 < center > < h2> Login < Ih2> </ center >
  2611>
  <1d>> username: <1td>
    <input type="text"></input>
   <1t4>
   Ltr>
   > password 
    <input type="password" ><iinput>
               rate and turningh mist a
    2144>
     <input type="button" value="Login"></input>
     21td> 21tr>
```

</p

0/p: -

@ Login		OF COLUMN
	Login	1 1d . n ti) 2.
	username:	- 12 av 4 i A v
	barragig:	
	Login	
a - 1		, and

* Frames:-

Generally the browser window can be used to display the one or more documents at a time.

The window can be devided into rectangular acreas, each of which is a "frame".

By using <frameset > lag, one can specifies the number of frames and their layout.

A set of frames are defined using < frameset > to which ends with </frameset > tag.

A trameset tag taxes the place of the body tag, ie A himl document has either a body of a trameset tag, but coult have both.

"cols" attribute and They often have both.

rows: - This attribute specifies The no of rows of frames that will occupy the window.

cols: This attribute specifies The no of columns of trames that will occupy The window.

The <trameset> lag have one inbuilt tag i.e <frame>
lag. It is used to specifies the content of trame.

Ctrame src="filename" [name=""] [serolling:"yes"|outo'

1"no"] [trameborder="0"|1"]/>

The frame tog has several attributes and importent-among

src: It specified sauce tot frame.

name: It specifies The name of the frame.

Example:-

<html>

< head>

<title> Frames < Ititle>

</head>

< tramesel- yous = "25%, 50%.">

< frame name = "login" src = "login, html" 1>

< frame name : "Registration" Src : "Registration- Ntml" 1>

CILLUMBE :

21 frameset>

21html>

0/0:-		* MV
	@ Fromes	34
	Login	
e 2000	of username 3 Land parties	
	password: [tol w	(Eri
	(log in)	7
J.F.V.	Registration = 2/02)	8-11 A ()
	Student NO 1	
	Name:	
14-5 -5	Gender: Omak Ofemale	
- 51,000	it is to the loss of the last	(x) 21 11 . (n)
	password:	
5400 FV	Hobbiel: A playing chicket	WCH >
1.4.1.4.	A. I MILLOURN D. L. AGGARA:	
160		
Nested of	rames:- a trame within the trans	1.5
Nested of Lule frames.	can create a trame within the training	me by uning he
Nested of	can create a trame within the training	me by uning he
Nested of Lule Frames.	can create a trame within the trans	me by uning he
Nested of Lule frames.	can create a trame within the trace	me by uning her
Nested of Lule Frames.	can create a trame within the trace	me by uning her
Nested of Lule Frames.	can create a trame within the trace	me by uning her
Nested of Lule frames.	can create a trame within the trace <html> <head> <thl> <head> <thl> <head> <thr <head=""> <head> <head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></head></thr></thr></thr></thr></thr></thr></thr></head></thl></head></thl></head></html>	me by uning her
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Nested of Lule Frames.	can create a trame within the trace chead> <https: 21+itle="" frames="" www.stid=""> <head> <hrane rows="25%, 50%"> <trame <trame="" name="login" rows="25%, 75%" src="login."> <trame rows="25%, 75%"> <transport "1000="" <tr="" =="" in"="" src="login."> <trame rows="25%, 75%"> <trame rows="25%, 75%"> <transport "1000="" <="" =="" in"="" src="login." td=""></transport></trame></trame></transport></trame></trame></trame></trame></trame></trame></trame></hrane></head></https:>	me by uning her
Nested of Lule Frames.	can create a trame within the trace <html> <head> <hth> <ht> <ht< td=""><td>me by uning her</td></ht<></ht></hth></hth></hth></hth></hth></hth></hth></hth></hth></hth></hth></hth></hth></hth></hth></hth></hth></hth></hth></hth></hth></hth></hth></hth></hth></hth></hth></hth></hth></hth></hth></head></html>	me by uning her
Nested of Inle	can create a trame within the trace can create a trame within the trace chead> chead> chith> nested Frames	me by uning her into into come. html come. html />
Nested of Lule frames.	can create a trame within the train can create a trame within the train chead> chea	me by uning her inthis thmis come. htmis Registration. html
Nested of Lule frames.	can create a trame within the trace chead> chameset rows="25".50".> chame name="login" src="login." chamesel cols=25".75".> chame name="melcome" src="wellower" s	me by uning her inthis thmis come. htmis Registration. html