3

HTML - Hyper Text Markup. Language.

-> HTML is a markup language which provides a set of tags suitable 181 making up webpages.

World and Low It.

- -> HTML is a scripting language to web pages and output of programs can be seen abter 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: Don't give any space blw left operator and tograme In HTML, the every tog can have corresponding ending tog preceded by backslash symbol.

· (A) ludwy2

# Structure of HTML document:

All HTML documents does tollow some

It has two blocks

Head block in 21 111111

Body block pel do de 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>
<html>
<html>
<html>
<html>
downent</h>
</html>

// Little > A HTML downent

Linead > 1

L

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

 \* Basic HTML Tags :-

> <html> --- </html>

This is the basic tog of html document. By using this tag the browser can identifies the bleather it is html document or not.

> <head> --- </head>

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

> <title> --- </title> syclands and quis

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 (> -- , heading tags)

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

- (i) --- 
  It specifies the possagraph.
- (ii) heading tags:
  Heading tags are simple torms of text tormating

  that vary text sizes based on header level.

  Those are <hi>--- <1hi>--- <1hi><-- <1h><-- <1h><-- <1h><-- <1h><-- <1h <-- <1h><-- <1h <-- <1

· Process

< 100 H

blocks . himl

<html> < Inthis < Inthis & < head> < title> My first document </title> 2 cihead> NES VERLINE AND ELL TEN ENVEN The document and different text headings <h1> Web Technologies </h1> < h2> Web Technologies < 1h2> < h4> Web Technologies < 1/h4> tamenti <160dy> to 1,21 Evosaz nil zalozitni de </h

Text to explike and and what sit any town

The text on a HTML page can be altered in a

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

(ic) <b>--- </b>

It bolds the text.

jür) 20> ··· 210>

It underlines the lext

(iv) Zi's ... Zi's on based saft that more tout Trace text

```
(vi) <em>... </em>
for emphasis (new standard to Italic).

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

for strong (new standard to bold).

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

Kalls value at charact ada

#### Example:

```
Text. Wiml
                <h+ml>
                                                                                                                                                0 < do21 > 2 < 102 > H
                 < head>
                  <title> Text </fifle>
                                                                                      clas basic Malhemarical - like

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

ZIhtml>
Line for the state of the stat
```

→ H8vizontal Revle <hr/>
<hr [width =n] [SIZe=n]

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

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

#### I do backwish was I would Example:-

SS: NAMI () < html> white the Text . <body> <br > Fôlmula fôt water <16> < h8/> H < sub> 2 < Isub> 0 (br 1> - JAMES EVER X JAIL <br />
2 b> Basic Mathematical +amula < 1b> <hY/> (a+b) <sup>2 < 1sup> = a <sup>2 < 1sup> + besup>221sup> + 2 \* a + b. <1 body> ( 1 - 23/2 froje) </h

character escape sequences

Pamp; zubsp; alt; 29t; 22uot; 20py Sold Report Sold Sold Co CILLS TECKNAPORES CILLS

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

The most important capability of heml is its ability to create hyperlinks. Hyperlinks can be applied - Herizonial Perie to either text & images.

syntax:

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

## Erample:-

welcome . html: -

< html>

< head>

<tille> Melcome < Itille>

</ri>

< body>

will all only in all being I man

this education of the burneys of

which is and is of small

all of som sipports of the

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

Home . html :-

< html>

< head>

chitle> Home <14,061c>

clhead>

<body>

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

(11) burstramus (11)

EX. - X3

spring a file

SILL TO FLOOR SILE

</body>

cln+ml>

\* Lists :- " In the major of boys of

List is a collection of items, and they may be

Edered & un sidered.

HTML provides 3 types to list

i) ordered list

101 - 101 -

(ii) Unordered Ust

viers definition list

Hod bazdl> --- ZIdl> o

(i) Bldered list: - <01> --- </01> This is used to display the list of items in a older. It can ux 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. 2 li> grape 2/li> <101> 2101> moly 0/p:- A. mango op: - 1. orange B . orange 2. grape Ex: <11> cricket 2/4> 211> Football 2/11> dels and side tolstine maden " - first to olp: III. crickel-IV. Football contains (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> -- allid In this list the default symbol is dot (.). Ex: - Ex:- Zul> 211> orange 2111> elis cricket ellis elis apple Ulis clis Football 2/117 elal - 2/ul> 21u1> 010: 0 orange olpi- o cricket ... · 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> CINID IN motion of dead

Ldt> HTML Cldt>

<dd>> HTML is the markup language <1dd>>

Edt> XML KIdt>

cdd > XML is the entended markup language aldd spots at SiALS has been to sport

OIP: HTML

HTML is the mostup language

XML

XML is the extended markup language

the burningsu

### Example:-

as a lists. Wiml <html> <head> etitle> List of subjects <1title> < I head> < body> <h2> unoldored list </h2> UL> Tall maiding by Ui> WT CD 21UL> Lype = "Square" > 211> 00AD 2111> Lli> NS Clli> Conld ..

```
<h2> oldered list </h2> 121 moderates (1)
         a tall precoled for it tall works been an
                                                 VII LILI>
                                                 LUS CD LIUS militarias 1250 toxo lines?
                                                 2101> Igol galaction it 200 up
                                                 <11> ODAD <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111< <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111> <111< <111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 111 < 1
                                                  LIS has CIUS IN CIUS and CILS
                                        2101> williams all laborate pol sets
                                                  <h2> Definition List <1h2>
                                                    cdi> < 1115 JMTH cut.
                   CHIS HIML IS STATE STATE STATE
                                                      <dd>> WT Stands & Web Technology </dd>
THE STORY THE CALS CONSIDER THE THE STORY STORY
                                                        <dd> CD Stands to compiler Design < ldd>
                                                        <191>
                                                        <1body>
                                                                                                                                                                   JA 11 110
```

were is the extended in the 016:-@ List of subjects till beredforus · WT · CD D OOAD 2N [ D NS I WT 2 CD A OOAD CAIS TO GENERAL CERT Dedinition List WT WT stands to meb Technology. CD

THE WALL

```
* 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

NI blue do Elsaf att it

By using table we can presenting inbandion in Structuring Lamat and structuring The whole met page. do languas staz

The basic table tags:-

--- :-

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

--- !-

It is used to give table heading (column header) 

It is used to indicating strating of a Table · wov. --- <1+d>:- <1 = vshi53 /doj = --

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 101 shi < to> 1111 Millimp ebits < fd>-- < 18d> <1tr> <1table>

```
cell padding:-
     It sperifies 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. I do I the shadiffe morning
               Million expense sold relation beautiful
    Example:
( thorn mus < html>
                   early allow only all become in the
           < head>
           <title> Table < |title> - < + > >
  aldel of elheads evitorian of low is to
           < body>
          Caption > employee details < 1 caption >
              EID < Ith> < NOHqui ) . < NOHqui >
         2th> ENAME 
         SALARY 2/th>
              tr> liperi [n : prite og lles]
         < < td>101 < 1td>

<pr
                < fd>< 1000 < 1fd >
                cltr>
                 < (TY)
                102 < 1/td>
                 Ltd> Giridhar Lltd>
                 2000<1td>
                21tr>
```

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0	P	:	-

FID	ENAME	1		< \ rd >
	-		FIRE	Them's -
101	Madhe	1000		
102	Giridhay	2000	20	bod(>
103	Ravi	3000		rU1>

theory of mobile - amount in

## \* Images:

Images play an important rule in mebpages.

The total look of a mebpage is improved using images.

Images can be embedded inside domment using sings tag. Minimum it requires a parameter i.e. "Sxc", 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: <a href="a.hfml"> <img src=""> </a>

```
Example:
                              Images. 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"/>;
     2bx1>
     zing src= sunvise. treg width = 20% height=10)
                    aut = "sunnise" />
      <1body>
                   COOL | 1004 | 201
      <1html>
OIP:-
   @I mages
                                      - UX
      Sample images
      This enample: displays the images
                                      - 2100m T >
        stilled both smage
                   in morbiling pol
                   · Drand silveriber i Holder
       sunvise
   Scopped by
```

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

- ! - nedbad (iii)

Hams tag is used to create a neml form. This tag has several attributes and important among them one "Method" and "action" of standers as well a mitter

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

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 ".

POSI- Method	"gel-" Method
⇒ Intomation sent along with body  > Data is invisiable while	Intomation sent along with URL.  Date is visiable in site oddres
Sending [" Grown ] "orbit	1 - sqfl togni = tenst.
It provides security	No security
> It can send any no ob	It sends limited characters
characters was a dies	e at lower 21 state
Continue of the continue of the	2 01 1200 21 2101

User Interface elements in forms:

"- mlov) ii) Label :-This is used to display the text on the screen.

(ii) Text field :- - where one 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 trace types of buttons.
	to coast button
	Holmat: - < input type = 'bulton" [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 are entered by wer in the form.
	format: - < input type = "Reset" [value = " "] > < linput->
	(iv) password Lield:
	This is used to enter the password.
	format: - Linput type = "passondd" [size = n] [name = 1"]>
A	(V) Radio Button:
2) 14	This is used to select only one value at a time.  O Radio Button
	domat:- <input [name=" " ]<="" lijpe="radio" th=""/>
	(Value = 2 > < 1 input)
1	(vi) check Box: - mas 11 & do on who is as me to
	This is used to select multiple values at a time
	tomat: - < input type = "checkbox" [name: "]
	[value="]>
	(vic) combo Box:-
-),,,,	It is used to select one value from multiple value
	+Simat: < select [name = "]>
	contians «Indians
	zoption> <loption></loption>
4	< /aleity
1	

(viii) List box :-It is used to select one (81) more values from multiple values of and a grant and to got a Hamat: - < Select [name=""] [Size=n] > coption [selected] > - - <option> ... </option> Value! valuez <15elect> : 618 m 1 yalue, 3 Sparings " reason " part > " topus This is just like a text-field but it has multiple (ix) Text area:ald > Branch : rows and columns. tamet: - < textorea [name=""] [rows =n] [cols = n] > 2) (x1-acea> CALL HOLS ALEKA CHOILICE 2 MIL 2 LANS Example:-Registration. Html < html> < head> <a href="https://www.eltitle>"></a>
<a href="https://www.e 2 | head > its form of the < body. bgcdor="skyblue"> < form name = "frmi"> < Center> < h2> Registration Form <1h2> < 1 center> < table align= "Center" border= 17 Etypor "maho" same months & xb+ 5 > Student NO: <input type = "lext" name = "sno" > </input > and and additionant senting and degree delice chill's < togralls > Name: 

> 

< </td>

<tr ZIEY> CHESID CHAIL confd ...

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```
-! Ked told City
     Gender: <1td>
      cinput type= "rodio" name = "gen" > Male </inputs</p>
      2 mbsp ... "radio" name = "gen" > Female </inputs
      <1td>
                 · < [biblishez] Neit70>
                 « Nothunts ... « Nothons
      <1H>>
      ctr>
      > password: <1td>
      < input type="passworld" name="pwd"></input>
                                (x) Text orea :-
LIEd> CIEY>
                Tall ind a sill large is store
       C+1>
       Branch:
                              . LANYINGS LIVE 2005;
   < imput select name = "branch" >
     <coption > -- SELECT -- 
             coption> USE </option>
              Loption> ECE < loption>
              <option> EEE <loption>
              LOPTION> MELH LIOPTION>
          <1td><1t4>
                                        - various
        < ty>
         > Hobbies < 1td>
         < Linput type = "checkbox" + have = "hb" >
                 playing cricket < 1 input> 2 nbsp
                < input type = "checkbox" name = "hb" >
                 Reading 600K1 </input> 
 who the collection without and a crimica
         < Ed> < textamea name = addrs rows = 4 cols = 15>
                   1011 tour </lextonea> 2/td)
     141 × 1147
         - ty>- tyo- tyo- tyo- tyo
         < input type = "submit" name = "subm" value = subm"
               2/input> 2/td>

"Reset name="75" Value: "Rud">
               21 input> 21td> 21tr> 21table>
            2 Holms 2160dy>
            </html>
```

Rogistratio	n Form
Student- NO:	
Name:	
Gender:	Mak O Female
: pgm szad	
Branch :	SELECT
Hobbies:	Oplaying cricked D
Address:	A (1874)
(Submit)	(Reset)

## Example:-

```
< Intml>
                           login . html
< head>
<title> Login </title>
where the formular window
< body >
 < center > < h2> Login < Ih2> </ center >
  2611>
  <1d>> username: <1td>
    <input type="text"></input>
   <1H>>
   とナイン
   > password 
    <input type="password" ><iinput>
              rate and the world a
    2144>
    <input type="button" value="Login"></input>
     21td> 21tr>
```

</p

0/p: -

@ Login		OPERAT LOX
	Login	A Manual
	username:	- markille
1 1	baszngiq:	
- 104	(Login	
		, sector
		1858

## \* 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 trames 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.

The frame tag 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" Svc : "Registration- Ntml" 1>

5 10 2 2 MO 2: 3

21 frameset>

21html>