The length of Url is limited (2048 characters) what is HTM L 2 hypertext markup language standard markup language for executing web pages. - describes the stricture of web page - consists the series of elements - html elements tells the browsen how to display the content - HTML elements label pieces of content such as " This is heading", atc. · X! DOCTYPE Atml > declaration defines that this document is an [47m L5] documen «html> element is the root element of an HTML page. sheads head element contains meta information about HTML page xtitle> element specifies a title for the HTML page which is Ghown in the browser's title bar or in the page's tab) abody> element defines the document's body, and is a container for all the visible contents such as headings, paragraphs, images, hyperlinks, tables, lists etc. what is an HTML element 2 -An Hem I element is defined by a start tag, some content, end tag. Note-: some elements does not contain content Nor> empty elements. \* HTML headings-Khis to Khas -> most imp to least imp.

\* HTML paragraphs -

XPI.

\* HTML links -> & a hoef = "www. something. com" & This is Klas the link's destination is specified in the haef attribute \* Attributes are used to provide additional information about html elements \* HTML images double of 2°mgx width alt -> alternative text height see of the second second and the finance of the fin \* Nested html elements HTML elements can be nested (this means that elements can contain other elements). Therets that Harris \* HTML is not case bensitive; LPX LPX OR LUIY LHIY. \* HTM2 attributes -HTML attribute provide additional information about html elements - All html elements can have attributes. - Attributes provide additional information about elements - attributes are always specified in start tag. - attributes usually come in name / value paiss like : name + "value". is the hoef ii) src \_\_\_ absolute un vi) sty le Relative un in) height viii) title in widty defines some V) alt extra into

about an element

```
* HTML headings -
 dul) -> most imp < h() -> least imp
 for search engine optimization.
  Note -> browser automatically add margin before and
        after a heading
      - only for headings not for hold orbig
* HTML Paragraphs - LD> XIP>.
 A paragraph always start on a new line, and is
    usually a block of text.
* HTML horizontal Rules >
The Khr> tag defines a thematic break in an HTML,
 and is most often displayed as a horizontal rule.
x hr> tag element is used to seperate content
       Cor define a change) in an HTML page.
The kny tag is an empty tag, which means that
 it has no end tag.
I The break tag (HTML line break)
The HTML (br) element defines aline break.
* The HTML LPZe> element. | Lpze>
  preformated text.
  it preserves both spaces and line breaks
* HTML Styles
 2 tagname style = "property: value;">
                a file a named . how I had too it
* HTML toomasting
 HTML contains several elements for defining text with
 a special meaning.
                       Lamalis -> smaller text
 <br />
<br />
bold text
                          Adel> -> deleted text
 «strong > -> fmp. text
                        Lins> -> fuserted text.
  Lix _ Italic text
                            & subscript text
       -> Emphasized text
 «mark) -> masked text (sup) -> superscript text
```

```
* HTML Quotations & citation Elements
      1 blockquote) -- element defines a section that
                                                               is quoted from another scurre
                                               + tag defines the short quotation.
                                       - tag defines an abbrevation or an
                                                    acronym. ] -> use title attribute
 xaddress> -> tag defines the contact 9 nfo for the
                                                     author/owner of a document of an
                                             article.
    xcites - tag defines the title of a creative
                  Mindres of work . I have the first the second of the secon
   26do> Sidisectional overside
                                          managed properties as put
+ HTML Comments -= 101 List on 2014
      <! -- write your comment -->
    can help document your HTML source code.
* HTML COLORS
      RGB -> ogb C red, green, blue). O to 855.
                                                                 0,0,0 -> black
                                                         255,255,255 -> White
    RGBA -> ogba (red, green, blue, alpha)
                                                                                                                            1) opacity.
                         + hexadecimal color
  # RRGGBB
                         - hue, saturation, Lightness
```

hue -> degree on color wheel [oto 360]

saturation -> percentage value, 0.10 shade of gray & 100% is

lightness -> percentage full color.

100% -> black

100% -> white

HSLA -> hue, saturation, lightness, alpha.

\* HTML CSS -> 0+0360

inline css
internal css
External css -> x link sel="stylesheet"

Novef = "styles.css">

## \* HTML Links ->

The HTML day tag defines a hyperlink.

define the link address

define the link address

define the link address

By default, links will appear as follows in all browsers

- An unvisited link is underlined of blue
  - A visited link is underlined & pumple
  - An active link is underlined of red.

target attribute specifies where to open the linked

- self -> perfeult. Opens the document in the same window/teb as it was clicked.
- blank -> opens the document in a new window or tab
- Penent opens the document in the parent frame
- -top opens one document in the full body of the window.

mailto: scheme Poside the bref attribute to create a link that opens the user's email program

```
does no selection of the server de server
 <style>
 a: Link &
    color:
      background-color;
     text-decoration: none;
    and the state of the party and a
 a: visited 2
a: hover &
  a active &
ristyles.
* HTML Bookmarks
 2 hz id = "c4" > chapter 4 2/hz)

2 a hzef = "#c4" > Jump to chapter 4 2/a>
             Algeria & transfert no ax feet better the
* HTML Images -:
  Images can improve the design and the apperance
                   The Bullianing Distriction to
of a web page.
 L'img src = 11 11 alt = 11 11 >.
* uses of map in image *
                     trianguest, with a man to sun his
ximg ere = " 11 alt = " 11 4 Gemap = 11 # workmap" >
emap name = "wortemap">
     karea shape = "rect" words = " " att = " " met= " "
     Court Staning in the South Staning and the State of
   LI moup)
      torne ser our ments treet and &
```

background-image: art (11); in css protuce element allows you to display different pictures for different devices of screen sizes. when to use the picture element 2 , Bandwidth & format support. + HTML favicon -: A favicon is small image displayed next to the page title in browses tab. Klink sel="icon" type="imagelx-icon" haef="/path">. Ly defines the relationship bett adocument and an external resource. HTM2 tables allow web developers to grrange data into Eous and columns. (table) -> defines a table th> -> Defines a header cell in a table > Defines a row in a table Xtd> -> Defines a celling teble Lcaption > defines table caption x colgroup > -> specifies a group of one or more columns in a tuble for formatting. - specifies column properties for each 26017

Lcaption> Adefines table caption

Lcaption> Acolgroup> specifies a group of one or more

columns in a table for formatting.

Lool> Specifies column properties for each

column within a Lcolgroup> element.

Lthoody> Aroups the header content in a table

Lthoody> Aroups the body content in a table

Lthoot> Aroups the body content in a table

Lthoot> Aroups the footer content in a

table.

Ltable>

Ltable>

\* table borders Co. Shin a separat - brangeland table thitd ? border: 1px solid black; -> dotted dashed border-collapse; collapse; Solid double border-radius: 10px; groove ridge border - color : : inset outset the state of the s Middle \* table sizes - . HTML tubles can have different sizes for each column EOW OF the entire table. widty: -> in cas as it is not the address of a second of the second \* Padding & spacing -HTML tables can adjust the padding inside the cells, and also space beto the cells. padding: \_\_ space betto celledges of the cell content; border-spacing: -> space beforeach cell sol makingary markos graffings be the rest election \* to colspan & nowspan \* colspan -> to make a cell span over multiple columns sowspan - to make a cell span over multiple sows \* Table styling -) use css x colonous -> must be child element of Lcol span = " value of col ! style = " > table

1 colgroups

SIEVE STEPPIES

clemen -

\* HTML Lists -> HTML lists allow web developers to group a set of related items in lists unordered list > ordered list description lists 4117 خانه باله داله 2W> XIIXIII Xdt> > term 201) ×01) xddy of duta list-style-type: (ess) type= disc 9 man in punique Alleran el commi circle square Zamently Z" "Istellit "Trilly see survive none (start) \* HTML Block of Fuline Elements -> > Block level elements -- A block-level element always start on a new line, and the browser automatically add some space (a margin) before and after the element) - always takes up the full width available. i) Inline Elements -> Cannot Contain block level element - An inline element does not start on a new line. - takes up as mushwidth as necessary. ediv) -> Defines a section in a document (blockled Lspan> -> Defines a section in a document (inline) + HTML classes (css stylesheet flavasoript) -The HTML class attribute is used to specify a class for an HTML element. - multiple HTML elements can be shape the same class. class is case sensitive

- # HTML 8d attribute -
- The HTMZ id attribute is used to specify a unique id for an HTML element.
- you cannot have more than one element with the same id in an HTML document.
  - case sensitive
  - can not start with number and must not contain whitespaces

#### \* HTML I frames ->

An HTML itrame is used to display a web page within a web page

Litrame soc= 'un 1' title = " " > Wiframe >

#### \* HTML Janascript ->

Javasoript makes HTML pages more dynamical Interactive

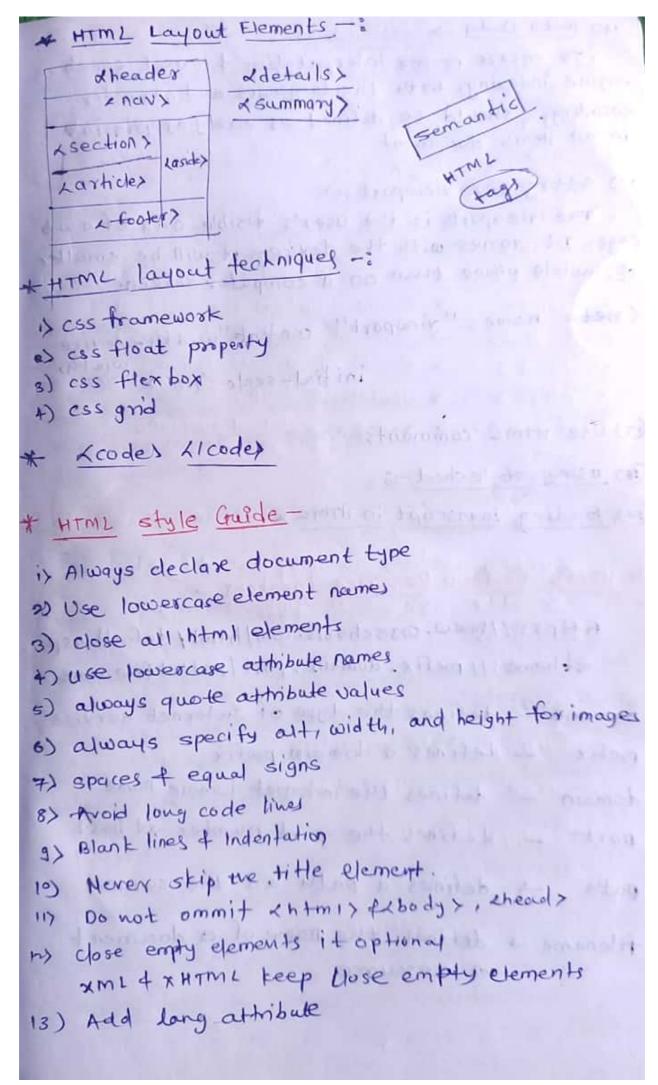
- \* no script > > Browser does not support scripts

  then alternative mas shows by

  noscript tag/element.
- \* Best Practices -> relative Paths

your regard newly and have

- \* HTML Head container for metadata (data about. data)
- websites often display content in multiple columns (like a magazine or a newspaper)



#### 14) meta Data >

engine indexing, both the languages and character encoding. Should be defined as early as possible in an HTML document:

15) setting the viewport

The viewport is the user's visible area of a web page. It varies with the device- it will be smouler or mobile phone than on a computer screen.

<a href="milestander">
<a href="milestand

(5) Use HTML comments

(16) using stylesheet -:

(17) loading Jarascript in HTML \*

# \* HTML Uniform Resource Locators -

https://www.waschools.com/html/default asp. scheme: 11 prefix.domain: port/path/filename.

scheme - defines the type of Internet service

prefix - defines a domain prefix

domain - defines the internet domain name

port - defines the port number at host

path -> defines a path at the server

filename - defines the name of a document

\* HTML YS XHTML \* Extensible

XHTML is a stricter, more XML-based version of HTM L. Temper August per account of the things

marchagon a see 18 don't

through any In talk x - 2 to 3 at 1 to 5

\* HTML forms -

x form >

form >

L'in put id = name = type = >

Llabel for = 'name' > Kllabel >. the man harden small & - street

etextasea) a field set > mildred to to theme to

- An HTML-form is used to collect user input. The user input is most often sent to server for processing.
- If name attribute is ommitted then value of the input field will not be sent at all. I good herturn palacture alection control

# \* HTML form attributes -.

The action attribute defines the action to be is Action -

pereformed when the form is submitted. usually, the form data is sent to a file on the server when year clicks, on submit button.

- 2) Target
- 5) Method > Get, post.
- 4) Autocomplete -> autocompletes
- 5) novalidate > does not validate

COUNTY Y

\* HTML torm elements -:

The HTML xform> element an contain one or more of the following form elements.

xinput> -> befines an input control

1 label> - Defines an multiline input control

( select > -> dropdown

x textareax label for input

< button> -> elictable button <fieldset> -> con ups selated elements in form

«legend» -> name caption for field set

(datalist) -> list of pre-defined options

contput > -> sesult of a calculation

coption > -> option in dropdown list

«optgroup» -> groups selated options.

## \* HTML multimedia >>

(i) video tag-

to the bland Lugar will xvideo controls autoplay muted loops & source src = 11 11 despe= 11 11> 2 / Video>

and of militar and proposal philippings are not an our

@ Audio controls autoplay muted loop) 2504rce soc = 1111 type = 11117 Alaudio)

xtracks > -> Defines the text tracks in media players.

a particular to

ar sladydda sman ).

\* HTML Plugins ) -> Lobject data=1111 > <10bject> Kembed> -> embeded Lembed STC = 11 11 ). \* HTML Youtube ->. diframe width = 11 11 height = 1111 sre = 11 / 2 autoplay = 1 & muted = 1 2 play list = id & 100p=1. a controls =0. xliframe). \* HTML Graphics > The HTML canvas element is used to draw graphic (1) Carryas on a web page Cneed Janascript to make it d canvas id = " " width = " " height = " " x (canva) 1 SNG -> Scalable vector Graphics LSV9> LISV9> .. SVg canvas - Resultion in dependent - Resolution dependent - No support for event handlers - support for event handless - poor text sendering capabilities Best suited for application - You can save the resulting with large rendering great images as prog or jps. - slow rendering if complex - well suited for graphic -- no suited for game apple. intensive gam

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