Introduction to CSS

Syllabus:-

-) CSS Basses - css: Selecting by id - css: selecting by dass

- -) pradice problems.
- -) font family property
- -) CSS Sont-Size property
- -) css font styles and shorthand.
- -) Hore CSS text properties.
- -) practice problems.

= CSS Basics:

Carcading Style sheets (CSS) describe how documents are presented on Screens, En prent, & perhaps how they are pronounced.

-) Cancading style sheets (CSS) provide early and effective alternatives to spenify vocious attributes for the HTML Tags: using CSS, youlan Specify a number of style properties for a given HTML element. Each property has a name and a value, separated by a colon (:).

-) Each property declaration es Separated by a Semi-colon(;).

Example:-

First let's Consider an example of HTML document which makes use of -font > tag and associated attributes to specify text cold and Hont Size.

- -) you can use CSS in three ways in your HTML document.
 - -) External style sheet
 - -) Internal style sheet.

0-0 External style sheet! Defene style sheet rules en a separate.

CSS fele and then enclude that file en your HTML document using HTML < link> tag.

Example: Examplein < html> <head> < link riel = "style sheet" href = "styles. css"> < |head> < body > < hi> This is a heading < hi> Then en a paragraph < 1p> enternal style. sheet < 1body> < |html> background roll; blue; his color: blue; } output P{ cola: red;} This is a heading of This Es aponagraphismed.

If you need to use your style sheet to various pages, then "its always recommended to defene a common style sheet in a Separatefile. It cancading style sheet file will have extension as . css.

Internal style sheet! - (2) If you want to apply style sheet rules to a single document only, then you can include those sules in header Section of the HTML document using & style > tag. > Rules defened en enternal style sheet overrides the scules defined in an external CSS file. Example: <html> < heads < style> body ? background_cold: powdorblue;} hi of color: blueig P {color; red;} < style> </ri> < bo dy> <h1> This is a heading < h1> > This is a paragraph </body> < | html> out put This Pisa heading shur color This Pr a paragraph? rededer

Inline style sheet: you can apply style sheet rules directly to any Himh element using style attribute of the relevent tag. This should be done only when you core interested to make a posticular change in any time element only. -) Rules debined inline with the element oversides the rules defined in an external CSS file as well as the rules defined in 2 style > element. Example:-< html> < head> < titles css inline Sheetaltitles 2 heads prosent : 10 hors to 10 < body> <h1 style = "color: yellow;" > This esan inline style sheet < / h1> 2/body> < | Html> the space and and all the output This is an in line style sheet. problemed to so about

css: Selecting by Id: <html> < body > < script > function display Result () document. get Element ByID ("my Meader"). Inner HIM = "Information Technology!"; </script > < hi id = "my Header" > IT! </hl>

button ondick = "desplay Result ()"> change text </body> 1/html> change text lick. Information technology.

Topic CSS: Selecting by class; -3-0 < html> < head> < title> HTML Internal css \$ / Fitte> This is ned provagraphy your and codor; ned; This Progreen green Red color-steading doubrant i Green; multiple, bycolor background-cd&: blue; </ style < heads <body> <pclass = "a" > This is red < |p> This is green < h1 dass = "a" > red color </ h1> cp class = "c"> multiple 2 body> < lhtml>

Font family peroperty: <html> ->Toapply fort < head> < styles vetica. font-family: Calibri, h2 {
font-family; Sans-Serieif;
} font-family: Helvetica: < | Style> < |head> < body> < h,> This is heading don't Style < /h> < h27 this is heading font style = /h2> > This is paragraph font style 2 bodys < html> This is heading font Style. Colliber output This is heading font style. sould this is paragraph font style. The paragraph font style. The productica.

Being able to manage the text size is important in web design. However, you should not use font size adjustments to make paragraphs look like headings, a headings look like paragraphs.

- The font-Size value Can be an absolute,

Absolute Size:

- -) sets the text to a specified size.
- -) Does not allow a user to change the text size in all browsers (but to accessibility nearons)
- -) Absolute size is cereful when the physical size of the output is known.

Pelative Size:

-) Sets the size relative to Suprounding element

-) Allows a user to change the text size in

browsers.

```
Note: - of you do not specify a font size, the
  défault size for normal text, like paragraphs,
 in 16 bx (18 bx = 16w).
Example!-
 < html>
 < heads
h, & font-size: 80%; }
body { font - size : 60 px; }
      font-Size: 4em;}
</style>
< fread>
< body >
   hai this Ph IT class . Lbr>
<h1> font size displaying the pixels < h1>
LP> this is from unit 6
</body>
< | html>
 har this is It class. Thopy
output
font Size displaying in piacls. 380'1.
 this is from unit by bigletters printed.
```

6-0 css font styles and short hand: The font-style property is mostly used to Specify static text. -) normal - The text Prishops normally -) Italic - The text le shown in Italics. -) oblique - The text Ps "leaning" (oblique is very Similar to static, but less supported). Example: 7 font styles: <html> <head> < style> hi & font-style: oblique; } h_ { font-style: 9 talic; P2 font-Style: normal; } < style> < | head <body> < h1> thes is heading style this < > these es another heading style elber < Then en poragraph stylex 10> <150dy> </html>. out put thin Pro heading Style ablique this is another heading style-Italic This is paragraph style. - normal

short hand !-< html> < heads < Little > short hand properties > lette> < style> font: 15px avial, San-serit;

Callingulario S

Font: italic bold 12px Greorgia, < | < | style > | < | head > Lbody> <h >> The font property < 1h1> Size is set to 15 pixels, and the fanily [18 Asial. 2/P> Ps set to Ptalic and bold, the font size is Set to 12 pixels, the line height is set to 30 pexels, and the font family is bresigia L|body> < html> ,

- Land from 6 -0 output The font property reads This is a paragraph. The font size is set to 15 pixely, and the font family is Arial. This is a paragraph. The font is set to italic and body The font size is set to 12 pixels, the line height Pr set to 30 pixels, and the font family ingergia SIND of many they sale site they we introduced to the whole of the stoop indicate and one ilself to it to all sale College large of making indentify a sill have a district to applications of blad from Abdition to de at free engine sale and wholing it at 17 The surrey that we have there ? 571 5 55,500

4

text using css properties, you can set following text properties of an element.

- > The color property as used to set the color
- The direction property is used to set the
- The letter-spacing property ps used to add of Substract space between the let that make up a word.
- The world-spaceng property is used to add or substract space between the words of a setence
- -) The text-endent property is used to indent the text of a paragraph.
- -) The text-align property is used to align the text of a document.
- -) The text-decoration peroperty is used to underline, overline, and stacke through text.
- -) The text-transform proporty Ps used to Capitalize text or convert text to upper Case a lower case letters.
- -) The white -space proporty is used to control the flow and formatting of text.
- The text-shadow property Ps used to set the text shadow around a text.

```
-) CSS Text properties:
=> Example:
  <html>
   < head >
   < style>
          hy { color: ned }
    · blinking & > blinking denplay
        animation: blinking Text 0.88 intenite;
     @ key frames blinking Text {
       0-1. { color: #000; }
      49.1. § cold: red; }
      50.1. § color: blue; }
      99.1. ¿ color: toransparentif
    100's 2 color: yellow; }
      * 1style>

Zhy> Text color peroperty < 1hy>

Zhy> Text color peroperty < 1hy>

Zhy> This Px6thunit. < 1p>
```

Khy> Text Direction property < /hy> DEP Style = "direction; rets;"> this text will be redered from night to lebt. 2687 4ps < hy> Letter-spacing property < hy> 32 P style = "letter-spacing: 10 px",">
Spacing between charecters < 1P> > > style = "text findent: 1cm;"> This text will have first line indented by 1 cm and This line will remain at its actual position this is done by CSS text-indent property. (<h4> Test-Align proporty < 1/h4> Of text-align: right; > 7h is will be rightique tyle = "text-align: center;"> This will be center aligned
tystyle = "text-align: left;"> This will be left aligned 2hy> Text- decoration property 2/hy> Extraction: underline; "> This will be underline; "> This will be underlined B pstyle: "text-decoration: line-through;"> Thes will be Striked through Thes will have a overline

< hy> Text Transform property < / hy> style = "text - transform; capitalize;"> This will be Capitalized Y style = "text- transform: uppercase;"> This will be
 Pn upper Case < 1P> pstyle = "fext - transform: lowerCase;" > THIS WILL BE LOWERCASE < 1P> <hy> Text white - space property They text has a line break and the white-space prie Setting tells the browser to home It tust like the HTML prietag. <1P> Text shadow x (hq) 3 < P style = "text-shadow: 4px 4px 8px black;"> I fet your browser supports the CSS text-shadow property, this text will have a blue shadowx/ps 2h4> morquee Tag </h4> @ / Lmarquee >. They will move the text from right to left < /marquee > < 6x> Kispan classe blinking"> Am Iblinking? < | spans 21 body> < lhtmls

Out put Text color peroperty solve color This is 6th unit. That Direction property This Text will be grendered from right to lebt. Letter spacing peroperty Spacing between characters Word Spacing peroperty Space between words. paragraplaga space. deeplaying. Text- indent proporty. This text will have first line indented by I cm and this line will memain at its actual position this is done by CSS text- indent proporty. Text Align property. > left (8) coster (8) right This will be atjust aligned This will be center aligned This will be lebtaligned Text Decoration property. -This will be underline This will be striked through This will have a over line.

Text white-space property. space space space space

This text has a line break and the whiteprie setting tells the browser to honor it just like the HTML pre tag.

Text shadow

If your browser supports the css text-shadow property, this text will have a blue shadow.

- 10 part will warp

who I have be get the it to

marqueer tag maring

This will move the text from dignt to left.

Am I blinking.