Assignment -2

CSS Basics

1. Selectors · Element Selector: Selects elements by tag name t.g. p Ewlor: blue; }

· Clars Selector: Selects elements by clars name Eg. . Clarsname & colon: red;}

· Id Selector: Schots elements by ID. Eg. #idname { volor: green; }

· Attribute Selector: Selects elements by attribute Eg. [typ="text"] [when: black; }

2. Combinators

· Descendant Selector: div p { ... }

· Adjacent Sibling Schedon: hi+ p { ... }

· General Sibling Selector: himp E... }

(SS Properties and Styling Techniques

1. Color and background

Color: sets the text color
bockground-color: sets the background color
bockground-inage: sets a background image

· opacity: sets the transparancy.

2. Text Styling

· fort-family: sets the fout type.
· fort-size: sets the fout size

· font-weight: sets the thickness of the font

· dext-align: Aligns the dext.

· text-decoration: Adds decoration to text

3. Box Model

· width and height: sets the width and height of an element.

· padding: space inside the border

· margin: space outside the border

· borden: sets the borden around an element.

4. Layout and Positioning

· display: Specifies display behaviour, egablock, inline

· position: specifies positioning method. eg > relative, absolute

· foat : Positions elements next to each other

· clear: Clears floated elements

5. Flexbox

· display: flex; : enables flexbox layout.

· justify-content: Aligns items along the main axis.

· align-items: Aligns items along the views axis.

· flex-direction: Defines the direction of flex items.

6. Grid

· display: goid; : Enables goid layout

· grid-template-columns: Defines colours in a gorid.

· grid-template-rows: Definer rows in a grid.

· goid-gap: sets the gap between rows and columns

7. Responsive Design

media queries: Apply styles based on device conditions.

viewport units: Un units like vw and vh

- 8. Transitions and Animations
 - · transition: Smoothly transitions property changes
 eg > transition: background-color 0.55;
 - · animation: Coedes animations.
- 9. Pseudo-darrus and Pseudo-elements
 - · Isendo-clarros: : hover, : active, : focus

 cg > a:hover { color: red; }
 - · Pseudo elements: ::before, ::after

 cg > p::before & content: "Note: ";}