**PSEUDO SELECTOR CLASSES**

Pseudo-class selectors in CSS are used to define the special state of an element or style elements based on user interaction, position, or other conditions. They are prefixed with a colon :.

Here are some common pseudo-classes:

**1.User Interaction Pseudo-classes**

**:hover -** Targets an element when the user hovers over it.

a:hover { color: red; }

**:focus -** Styles an element when it is focused (like when using the tab key).

input:focus { outline: 2px solid blue; }

**:active -** Targets an element when it is being clicked or activated.

button:active { background-color: green; }

**:visited -** Styles links after they have been visited.

a:visited { color: purple; }

**2. Structural Pseudo-classes**

**:first-child -** Selects the first child element of its parent.

p:first-child { font-weight: bold; }

:**last-child -** Selects the last child element of its parent.

p:last-child { color: blue; }

**:nth-child(n) -** Matches elements based on their position among siblings.

li:nth-child(2) { color: red; } /\* Selects the 2nd list item \*/

**:nth-last-child(n) -** Targets elements based on position counting from the end.

p:nth-last-child(1) { color: green; } /\* Last paragraph \*/

**:only-child -** Selects an element if it is the only child of its parent.

div:only-child { border: 1px solid black; }

**3. Form Pseudo-classes**

**:enabled / :disabled -** Targets enabled or disabled form elements.

input:disabled { background: gray; }

**:checked -** Styles radio buttons or checkboxes that are checked.

input:checked { outline: 2px solid red; }

**:required / :optional -** Targets required or optional form fields.

input:required { border: 2px solid