

Lab 3: To understand css selectors

Theory:

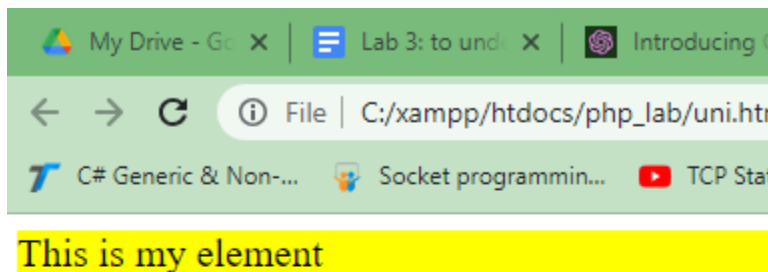
Explain id, class, element, grouping and universal selector

Exercises:

Exercise 1: ID Selector

Create an HTML file with `<div>` element that has an ID *myElement* attribute. Apply the following styles

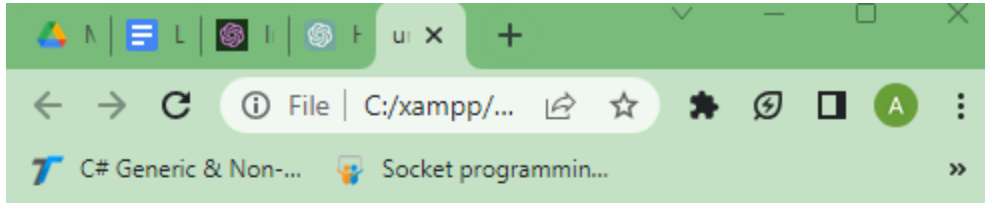
- Select the element using its ID and set the font size to 20 pixels.
- Use the ID selector to change the background color of the element to yellow.



Exercise 2: Class Selector

Create an HTML file with `<h1>`, `<p>`, and `<div>` elements that share a common class attribute. Apply the following styles:

- Select the elements using the class and set the font color to blue.
- Use the class selector to apply the styles by setting the font color to blue and adding a border of 2 pixels solid black.



Heading

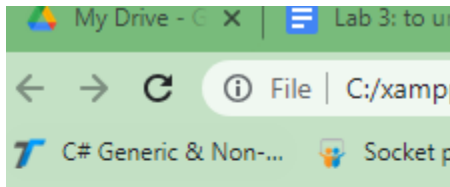
Paragraph

Div

Exercise 3: Grouping Selector

Create an HTML file with a table structure (<table>, <tr>, <th>, <td>). Apply the following styles:

- Use the element selector to set a border of 4 pixel solid black for all table elements.
- Apply a background color of green, text color to white and font size to 20px to all table cells (<td> and <th>).



Header 1	Header 2
Data 1	Data 2
Data 3	Data 4

Exercise 4: Universal Selector

Create an HTML file with different elements (div, span, ul, li.). Apply the following styles:

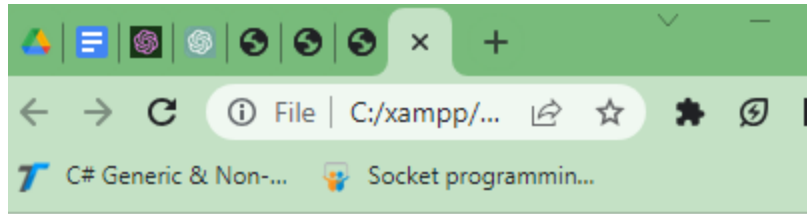
- Use the universal selector to set a margin of 10 pixels for all elements on the page.
- Apply a padding of 5 pixels and color as red to all the list items (li) using the universal selector.

Exercise 5: Grouping Selector

Create a HTML file as shown below and apply the following CSS:

```
<body>
  <!-- HTML Content -->
  <h2> Understand Grouping Selector</h2>
  <span>grouping selector is a type of selector</span>
  <div class="container">
    <h2>Title</h2>
    <p class="highlight">This is a paragraph.</p>
    <div id="special">
      <span>Special Text</span>
      <p class="highlight">Highlighted Paragraph</p>
    </div>
  </div>
</body>
```

- Provide text color to blue for h2 element of container class
- Provide font weight to bold to the content of span element of within the element of id "special"
- Provide background-color to yellow to the element with class highlight which lies within div element of class container.



Understand Grouping Selector

grouping selector is a type of selector

Title

This is a paragraph.

Special Text

Highlighted Paragraph