Comments, Float, Selectors

Web Technologies

Lecture by

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```html
<!doctype html>
<html>
    <head>
        <title>
            Web Technologies
        </title>
        <style>
            p {
                color: blue;
            }
        </style>
        <script>
        console.log("client-side");
        </script>
    </head>
    <body>
        <p>
            Welcome!
        </p>
    </body>
</html>
```

What we will cover

- **HTML Comments**
- **CSS Comments**
- **CSS float property**
- **Relational Selectors**

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HTML Comments

```html
<html lang="en">
    <head>
        <title>Other Information</title>
    </head>
    <body>
<!--
    This web page provides more information and links to other pages
-->
        <h1>The heading of the page</h1>
<!-- This comments out all of the HTML code in the unordered list
        <ul>
            <li>Page 2</li>
            <li>Page 3</li>
        </ul> -->
        <p></p>
    </body>
</html>
```
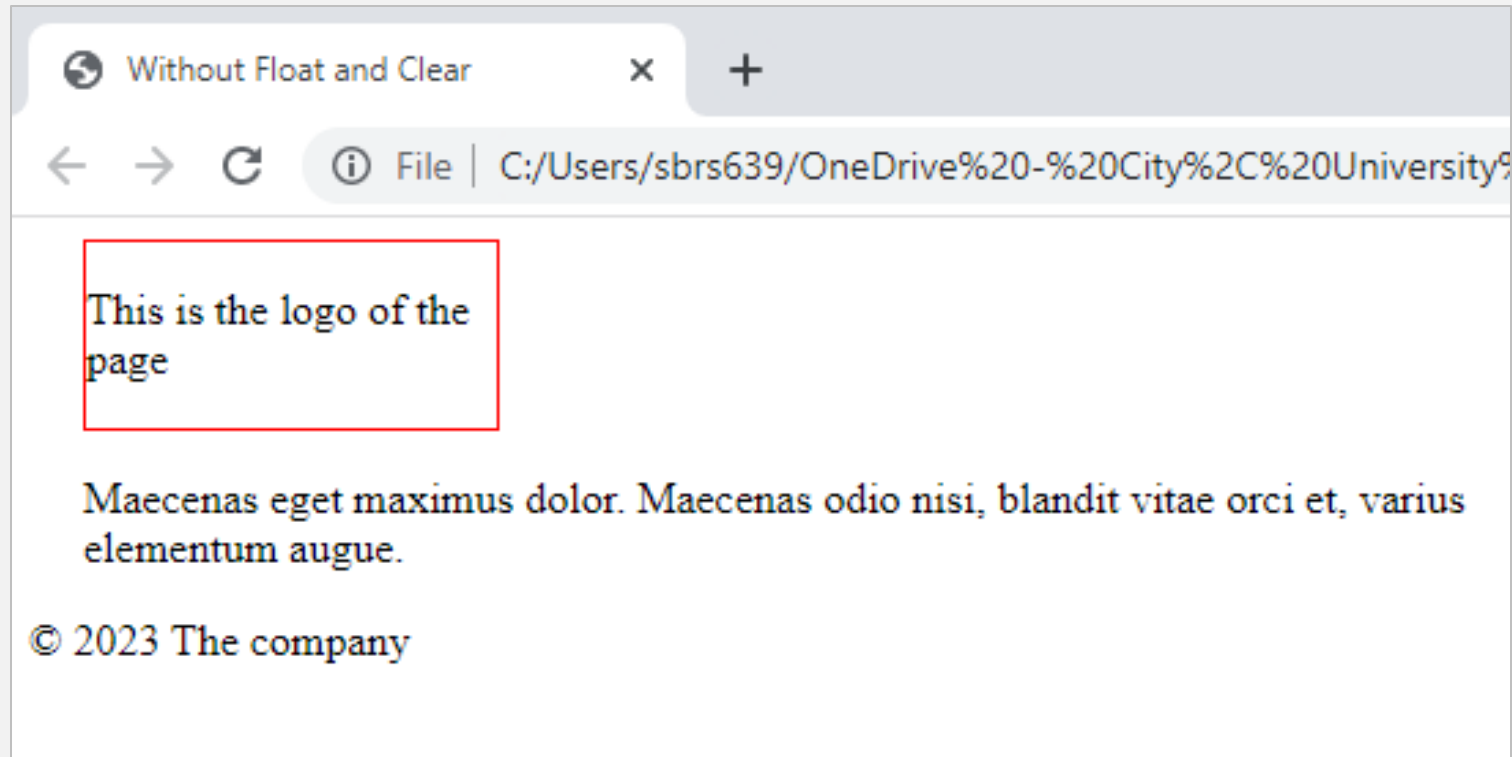
CSS Comments

```css
h2 {
    font-style: italic;
}
.focus {
  text-align: center; /*This only applies to the last paragraph */
}
```

The HTML Code

```
<header>
    <p>This is the logo of the page</p>
</header>
<main>
    <p>Maecenas eget maximus dolor. Maecenas
odio nisi, blandit vitae orci et, varius
elementum augue.</p>
</main>
<footer>
    <p> &copy; 2023 The company </p>
</footer>
```

The Web Page on a Browser

```css
header { width: 150px; border: 1px solid red; }
```

The float Property

```css
header {
    width: 150px;
    float: left;
    border: 1px solid red; }
```

This is the logo of the page

Maecenas eget maximus dolor. Maecenas odio nisi, blandit vitae orci et, varius elementum augue.

© 2023 The company

clear

```
footer {
clear: both;
}
```

This is the logo of the page

Maecenas eget maximus dolor. Maecenas odio nisi, blandit vitae orci et, varius elementum augue.

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HTML Elements Relationships

```html
<main>
    <h1>This Season's Town Hall speakers</h1>
    <ul class="speakers">
        <li>January: <a href="speakers/brancaccio.html">
            David Brancaccio</a></li>
        <li>February: <a href="speakers/fitzpatrick.html">
            Robert Fitzpatrick</a></li>
        <li>March: <a href="speakers/williams.html">
            Juan Williams</a></li>
    </ul>
    <h2>Post-lecture luncheons</h2>
    <p>Extend the excitement by going to the luncheon</p>
    <p>A limited number of tickets are available.</p>
    <p><em>Contact us by phone</em> at (559) 555- 1212.</p>
</main>
```

CSS Style Rules with Relational Selectors

1. **Descendant**
   - main li { font-size: 90%; }
   - ul a { color: green; }
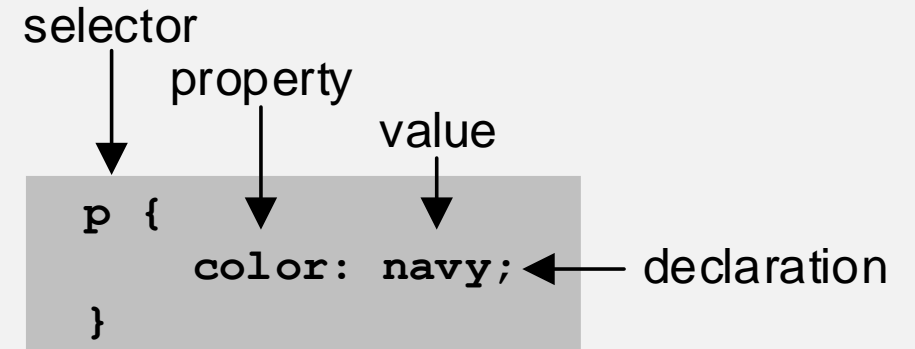
2. **Adjacent sibling**
   - h2+p { margin-top: .5em; }

3. **Child**
   - main>p { font-size: 80%; }
   - li>a { color: green; }

4. **General sibling**
   - h2~p { margin-left: 2em; }

selector   property   value

```
p {
    color: navy;    ← declaration
}
```

Multiple CSS Selector

```css
h1, h2, h3 {
    color: blue;
}
p, ul, h1 {
    font-size: 90%
}
```

Try It Yourself

In this activity you will practice how to use

comments in HTML and CSS; float and relational selectors. So:

1. Open any HTML file and add comments by using <!-- and --> marks

2. Open any CSS file and comments by using /* and */ marks

3. Add the float property to one of your CSS rule set and use the values left and right to see the difference.

4. Use the relational selectors listed in slide 10 and create new rule sets for your CSS file.