CSS

CSCI 201
Principles of Software Development

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Outline

• CSS
• Program
CSS

- Cascading Style Sheets (CSS) are used in conjunction with HTML to describe how HTML elements should be displayed

- CSS can be included in three ways
  - Inline in an HTML element through the `style` attribute
  - In the `<style>` tag in an HTML document
  - In an external file that is included in an HTML document in the `<link>` tag
    - In the `<head>` tag, include
      `<link rel="stylesheet" type="text/css" href="test.css" />`
<!DOCTYPE html>
<html>
<head>
<title>My First CSS</title>
</head>
<body>
<h2>CSCI 201</h2>
<h4>This class is learning about HTML and CSS.</h4>
<table>
<tr>
<th>Prefix</th>
<th>Number</th>
</tr>
<tr>
<td>CSCI</td>
<td>104</td>
</tr>
<tr>
<td>CSCI</td>
<td>201</td>
</tr>
<tr>
<td>EE</td>
<td>101</td>
</tr>
</table>
</body>
</html>
<!DOCTYPE html>
<html>
  <head>
    <title>My First CSS</title>
    <style>
      h2 {
        color: blue;
      }
    </style>
  </head>
  <body>
    <h2>CSCI 201</h2>
    <h4>This class is learning about HTML and CSS.</h4>
    <table>
      <tr>
        <th>Prefix</th>
        <th>Number</th>
      </tr>
      <tr>
        <td>CSCI</td>
        <td>104</td>
      </tr>
      <tr>
        <td>CSCI</td>
        <td>201</td>
      </tr>
      <tr>
        <td>EE</td>
        <td>101</td>
      </tr>
    </table>
  </body>
</html>
```html
<!DOCTYPE html>
<html>
  <head>
    <title>My First CSS</title>
    <style>
      h2 {
        color: blue;
      }

      #point12 {
        font-size: 12pt;
      }
    </style>
  </head>
  <body>
    <h2 id="point12">CSCI 201</h2>
    <h4>This class is learning about HTML and CSS.</h4>
    <table>
      <tr>
        <th>Prefix</th>
        <th>Number</th>
      </tr>
      <tr>
        <td>CSCI</td>
        <td>104</td>
      </tr>
      <tr>
        <td>CSCI</td>
        <td>201</td>
      </tr>
      <tr>
        <td>EE</td>
        <td>101</td>
      </tr>
    </table>
  </body>
</html>
```
class Attribute

```html
<!DOCTYPE html>
<html>
  <head>
    <title>My First CSS</title>
    <style>
      h2 {
        color: blue;
      }
      #point12 {
        font-size: 12pt;
      }
      .center {
        text-align: center;
      }
    </style>
  </head>
  <body>
    <h2 id="point12">CSCI 201</h2>
    <h4 class="center">This class is learning about HTML and CSS.</h4>
    <table>
      <tr>
        <th>Prefix</th>
        <th>Number</th>
      </tr>
      <tr>
        <td>CSCI</td>
        <td>104</td>
      </tr>
      <tr>
        <td>CSCI</td>
        <td>201</td>
      </tr>
      <tr>
        <td>EE</td>
        <td>101</td>
      </tr>
    </table>
  </body>
</html>
```
HTML Block Tags

- **div** and **span** tags are often used with the **style** or **class** attribute
  - **div** is a block-level element
  - **span** is an inline element

```html
<!DOCTYPE html>
<html>
  <head>
    <title>My First CSS</title>
  </head>
  <body>
    <h2>CSCI <span style="color:red">201</span></h2>
    <div style="background-color:blue; color:white">
      This class is learning about HTML and CSS. Hopefully it will be fun.
    </div>
  </body>
</html>
```
More CSS

- For more information on CSS
  - Go to [http://www.w3schools.com/css](http://www.w3schools.com/css)
  - Go to any web page and view the source (though you may need to find the stylesheet if it is external)
Outline

• CSS
• Program
Create one HTML page that is formatted in the following ways with different stylesheets.
Go to http://www.w3schools.com/css/css_form.asp and modify the form to be more aesthetic like modern web pages.

Make the form look different for each page.