CSS SYNTAX

```css
selector {
  property1: value1;
  property2: value2;
  ...
}
```

These are associated with HTML tags.

The rules associated with the selector will be applied to all instances of a tag on that page.

**EXAMPLE:**

```
p { color: blue; }
lis { color: red; }
```

FILE STRUCTURE:

```
cogsDemo
  my.css, css, my-page.html
```

```html
<html>
  <head>
    <link href="my.css.css" type="text/css">
  </head>
  <body>
    <p>This is a cool demo in CUGS3</p>
    <li>1</li>
    <li>2</li>
  </body>
</html>
```
How can you apply styles to more than one selector at a time?

Example:

\[
\begin{align*}
\text{p & ol & ul \{color: blue\}} \\
\text{p \{color: blue\}} \\
\text{ol \{color: blue\}} \\
\text{ul \{color: blue\}}
\end{align*}
\]

This style applies to all of these.

List separated by commas.

Contextual Selectors:

- These are used to apply styles to elements only when they are nested within other specified elements.

Example:

\[
\text{p \{color: pink\}}
\]

Notice, no comma!

This means that the rule only applies to li elements nested in ordered lists.
CSS specificity

cite { color: green; }

p cite { font-style: italic; font-weight: normal; color: red; }

li cite { font-style: normal; font-weight: bold; color: blue; }

Voilà! If you can override property settings, why not use more specific selectors?

CSS CLASSES

Creating your own classifications

Any element with this class will follow this rule.

WHAT HAPPENS IF WE USE THIS StyLISTically?

CSS IDs

Used to assign identifiers to unique elements.

We will discuss this at a later point in class.

How to create a class

Notice the leading "".
if you want to have this class only apply to `div` tags

```html
  div.cool {
    color: red;
    font-weight: bold;
  }

  p.cool {
    color: blue;
    font-weight: normal;
  }

  /* this only have "cool" class apply to `p`'s */
```
Creating tables:

```
<caption>MY TABLE</caption>
<tr>
  <th>Heading 1</th>
  <th>Heading 2</th>
  <th>Heading 3</th>
</tr>
<tr>
  <td>Data 1</td>
  <td>Data 2</td>
  <td>Data 3</td>
</tr>
```

**Important:** A table structure is defined by rows.

```
<table border="1">
  <tr>
    <td data1</td>
    <td data2</td>
    <td data3</td>
  </tr>
</table>
```
```html
<table>
  <caption>Color Combinations</caption>
  <tr><th>&nbsp;</th><th>Red</th><th>Yellow</th><th>Blue</th></tr>
  <tr><th>Red</th><td>Red</td><td>Orange</td><td>Purple</td></tr>
  <tr><th>Yellow</th><td>Orange</td><td>Yellow</td><td>Green</td></tr>
  <tr><th>Blue</th><td>Purple</td><td>Green</td><td>Blue</td></tr>
</table>
```
<p>hello class<br>this is a paragraph tag</p>
Lecture notes
jan 22
tables
<head>
<title>Table Demo</title>
<style>
  table {
    border: 1px solid black;
  }
</style>
</head>

<body>
<table>
  <caption>Color Combinations</caption>
  <tr>
    <th>&nbsp;</th>
    <th>Red</th>
    <th>Yellow</th>
    <th>Blue</th>
  </tr>
  <tr>
    <th>Red</th>
    <td>Red</td>
    <td>Orange</td>
    <td>Purple</td>
  </tr>
  <tr>
    <th>Yellow</th>
    <td>Orange</td>
    <td>Yellow</td>
    <td>Green</td>
  </tr>
  <tr>
    <th>Blue</th>
    <td>Purple</td>
    <td>Green</td>
    <td>Blue</td>
  </tr>
</table>
</body>
</html>
Hello class this is a paragraph tag

ta do

<table>
<thead>
<tr>
<th>Red</th>
<th>Yellow</th>
<th>Blue</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>Red</td>
<td>Orange Purple</td>
</tr>
<tr>
<td>Yellow</td>
<td>Orange</td>
<td>Yellow</td>
</tr>
<tr>
<td>Blue</td>
<td>Purple</td>
<td>Green</td>
</tr>
</tbody>
</table>

14
15  <body>
16  <p> Hello class this is a paragraph tag </p> ta do </p>
17  <table>
18  | <caption>Color Combinations</caption>
19  | <tr>
20  |   | <th>&nbsp;</th>
21  |   | ...
Hello class this is a paragraph tag `<p>` ta do

Color Combinations

<table>
<thead>
<tr>
<th>Red</th>
<th>Yellow</th>
<th>Blue</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>Red</td>
<td>Orange Purple</td>
</tr>
<tr>
<td>Yellow</td>
<td>Orange</td>
<td>Yellow Green</td>
</tr>
<tr>
<td>Blue</td>
<td>Purple</td>
<td>Green</td>
</tr>
</tbody>
</table>

`<body>`

  `<p>` Hello class this is a paragraph tag `&lt;p&gt;` ta do `</p>`

  `<table>`

  `<caption>Color Combinations</caption>`

  `<tr>`