

1. Just a reminder, when you save your pages make sure they are text, but that they have the `.html` extension and not `.txt`. As you modify your pages to add functionality, be sure to save separate copies.
2. Cascading Style Sheets (CSS)
 - a. inline
 - b. style section in `<head>` element
 - c. separate `.css` file
3. Now, let's style a table. First the table definition in the `<body>`, with three rows and three columns:

```
<body>
    <table>
        <tr>
            <td>Cell 1</td>
            <td>Cell 2</td>
            <td>Cell 3</td>
        </tr>
        <tr>
            <td>Cell 4</td>
            <td>Cell 5</td>
            <td>Cell 6</td>
        </tr>
        <tr>
            <td>Cell 7</td>
            <td>Cell 8</td>
            <td>Cell 9</td>
        </tr>
    </table>
</body>
```

4. Now to style the table. First, a border (one pixel, solid black):

```
<head>
    <title>Hello!</title>
    <style>
        table
        {
            border: 1px solid black;
        }
    </style>
</head>
```

5. Each individual cell also (one big border, and one for each):

```
<head>
  <title>Hello!</title>
  <style>
    table
    {
      border: 1px solid black;
    }
    td
    {
      border: 1px solid black;
    }
  </style>
</head>
```

6. Can collapse, so there is just one border:

```
<head>
  <title>Hello!</title>
  <style>
    table
    {
      border: 1px solid black;
      border-collapse: collapse;
    }
    td
    {
      border: 1px solid black;
    }
  </style>
</head>
```

7. Next, let's add some padding, or space, between cells:

```
<head>
  <title>Hello!</title>
  <style>
    table
    {
      border: 1px solid black;
      border-collapse: collapse;
    }
    td
    {
      border: 1px solid black;
      padding: 5px;
    }
  </style>
</head>
```

```
    }  
  </style>  
</head>
```

8. Let's color the top row, if they were a header (could color all cells in `td`), so let's create a class:

```
<head>  
  <title>Hello!</title>  
  <style>  
    table  
    {  
      border: 1px solid black;  
      border-collapse: collapse;  
    }  
    td  
    {  
      border: 1px solid black;  
      padding: 5px;  
    }  
    .header  
    {  
      background-color: blue;  
    }  
  </style>  
</head>  
<body>  
  <table>  
    <tr class="header">  
      <td>Cell 1</td>  
      <td>Cell 2</td>  
      <td>Cell 3</td>  
    </tr>  
    <tr>  
      <td>Cell 4</td>  
      <td>Cell 5</td>  
      <td>Cell 6</td>  
    </tr>  
    <tr>  
      <td>Cell 7</td>  
      <td>Cell 8</td>  
      <td>Cell 9</td>  
    </tr>  
  </table>
```

```
</body>
```

Could also use the HTML element `<th>` instead of `<td>` for that first header row:

```
th
{
  background-color: blue;
}
```

```
<tr>
  <th>Cell 1</th>
  <th>Cell 2</th>
  <th>Cell 3</th>
</tr>
```

9. Check out the W3 Schools CSS Tutorial: <https://www.w3schools.com/css/>

10. We might spend so much time doing this, but some have already written styles, such as bootstrap.

- a. `getbootstrap.com` has a lot of these, in `<link>` elements, which you can copy and paste into your `<head>` element.
- b. Note that the `href` is now a URL to the bootstrap style file.

11. Here's an example, for an alert:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <title>
      Hello!
    </title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.0-beta1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-giJF6kkoqN00vy+HMDP7azOuL0xtbfIcaT9wjKHr8RbDVddVHyTfAAsrekwKmP1" crossorigin="anonymous">
  </head>
  <body>
    <h1>
      Hello, world!
    </h1>
    <div class="alert alert-primary" role="alert">
      A simple primary alert
    </div>
  </body>
</html>
```

12. Note that the `<div>` element is just a section of HTML code.