HTML/CSS Fundamentals

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Slides Link: https://ter.ps/bhhtml

Tools

- Text Editor
- Web Browser
- Online Parser (https://repl.it/languages/html)

What is HTML/CSS

- HTML is the language in which most websites are written in
- Never compiled, interpreted by your web browser
- CSS is what makes sites visually appealing

Hyper Text Markup Language (HTML)

- Hypertext means that the document contains links to other places in itself, as well as other documents
- Markup languages are ways computers can control how text is processed and displayed

- HTML does this by using **Tags** and **Attributes**

What are HTML Tags

- Tags are used to mark the start/end of HTML elements
- They are usually enclosed in angle brackets

<h1>

- Most tags must be opened and closed to function correctly

<h1> </h1>

What are HTML Tags (Cont.)

- Tags must be closed in the order that they were opened

<div> <h1> </h1> </div>

What are HTML Attributes

- Attributes contain extra pieces of information

```
<img src="pic.png" alt="Picture">
```

Creating a webpage

`<!DOCTYPE html>`   Specifies Language

`<html>`   Signals we will write html code

`<head>`   Place for all metadata

`<body>`   Place for content

```html
<html>
    <head>
        <title>This Is Your Title </title>
    </head>

    <body>

        <h1> This Is Your Header </h1>
        <p> This is your paragraph. </p>

    </body>
</html>
```

Other Tags

`<h1>`   Header Tag

`<ol>`   Ordered Lists

`<img>`   Image Tag

`<a>`   Hyperlink Tag

Cascading Style Sheets (CSS)

- Add style to your html elements
- Can be used inline, or in an external document
- You can assign styles to be the default for html elements (ie. All header tags get these style properties)
- Classes can also be made that can then be applied to html elements

Linking to an External Style Sheet

- You can link to an external style sheet to pull those styles into your document
- Normally you would want to import them in the head section

```
<link href="style.css"
rel="stylesheet" type="text/css" />
```

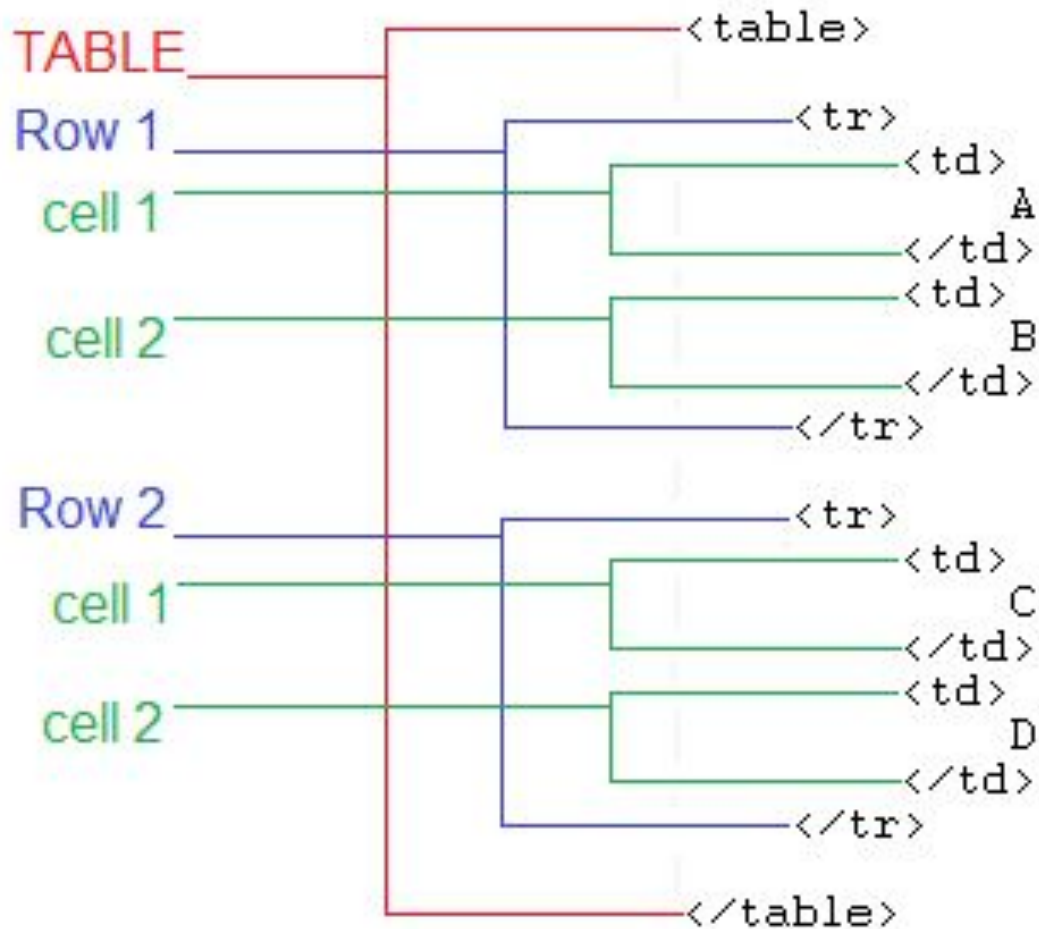# HTML Tables

- A common way you will see data formatted

- This is a basic table with 2 rows and 1 column

```
<table style="width:100%">
  <tr>
    <th>Firstname</th>
  </tr>
  <tr>
    <td>Chris</td>
  </tr>
  <tr>
    <td>Jim</td>
  </tr>
</table>
```

More Resources

- Bootstrap - Most popular HTML/CSS/JavaScript Library (https://getbootstrap.com/)
- Codecademy Course (https://www.codecademy.com/learn/learn-html)
- HTML Documentation (https://developer.mozilla.org/en-US/docs/Web/HTML)