

Intro to HTML 5

LINUX BOOTCAMP | MARCH 29, 2019

What is HTML?

- ▶ HTML is the standard markup language for creating Web pages.
- ▶ HTML stands for Hyper Text Markup Language
- ▶ HTML describes the structure of Web pages using markup
- ▶ HTML elements are the building blocks of HTML pages

What is HTML?

- ▶ HTML elements are represented by tags
- ▶ HTML tags label pieces of content such as "heading", "paragraph", "table", and so on
- ▶ Browsers do not display the HTML tags, but use them to render the content of the page

HTML Tags

- ▶ HTML tags are element names surrounded by angle brackets.
- ▶ HTML tags normally come in pairs like `<p>` and `</p>`

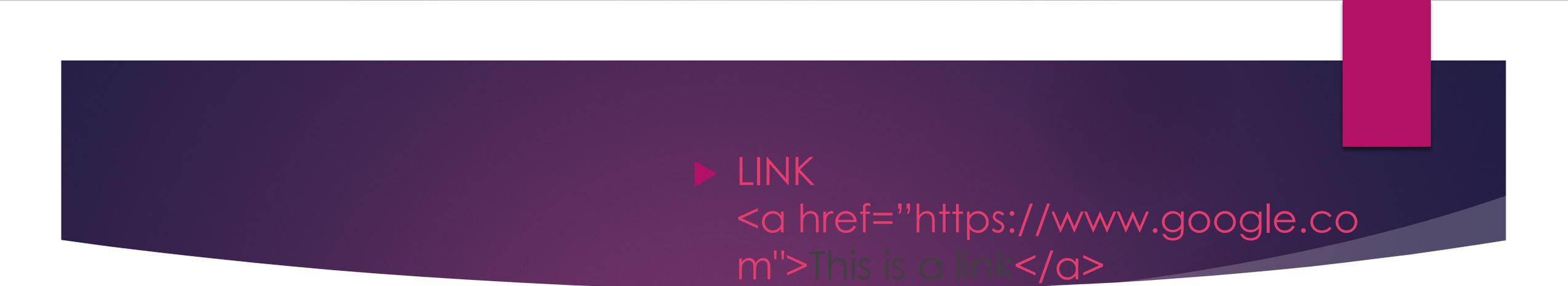
```
<tagname>content goes here...</tagname>
```

Important Tags

- ▶ `<!DOCTYPE html>` declaration defines this document to be HTML5
- ▶ `<html>` element is the root element of an HTML page.
- ▶ `<head>` element contains meta information about the document.

Important Tags

- ▶ `<title>` element specifies a title for the document.
- ▶ `<body>` element contains the visible page content.
- ▶ `<h1>` element defines a large heading
- ▶ `<p>` element defines a paragraph



- ▶ LINK
`This is a link`

Attributes

- ▶ IMAGE
``
- ▶ STYLE `<p style="color:red">I am a paragraph</p>`

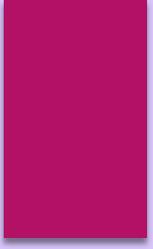
Styling HTML with CSS

- ▶ **CSS** stands for **Cascading Style Sheets**.
- ▶ CSS describes **how HTML elements are to be displayed on screen, paper, or in other media**.
- ▶ CSS **saves a lot of work**. It can control the layout of multiple web pages all at once.

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Start your file by

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<http://bit.ly/LBCMusicStreaming>

Setting Up

- ▶ Change Ownership:

```
sudo chown pi: Desktop/MessUp
```

- ▶ Change Directory:

```
cd Desktop/MessUp
```

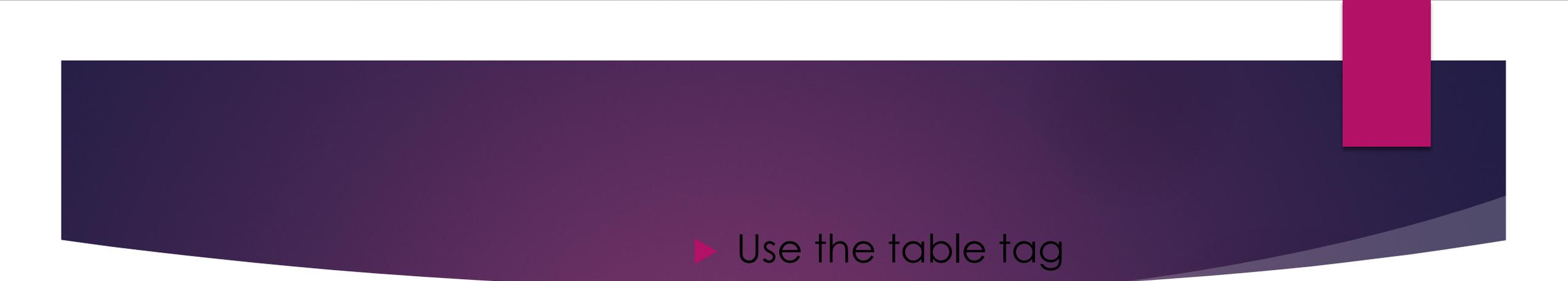
- ▶ Create file:

```
sudo leafpad or nano  
HelloWorld.html
```

"Hello World"

Code on Text Editor or use nano

```
<!DOCTYPE html>
<html>
  <head>
    <title>Hello World</title>
  </head>
  <body>
    <h1>Hello World</h1>
    <p>My name is Camila.</p>
  </body>
</html>
```



▶ Use the table tag

HTML Tables

▶ `<table>` to create the table

▶ `<th>` table header

▶ `<tr>` table row

▶ `<td>` table data

HTML Tables

```
▶ <table style="width:100%">
  <tr>
    <th>Firstname</th>
    <th>Lastname</th>
    <th>Age</th>
  </tr>
  <tr>
    <td>Camila</td>
    <td>Cardenas</td>
    <td>19</td>
  </tr>
  <tr>
    <td>Mathew</td>
    <td>Trotter</td>
    <td>25</td>
  </tr>
</table>
```

Music Streaming

5 Minutes to

- ▶ Create a file named `index.html` in your MESS UP folder
- ▶ Contents:
 - ▶ A Title
 - ▶ A header
 - ▶ A table with 3 columns <Song Name, Song, Artist>

DOES NOT NEED DATA RIGHT NOW

HTML Audio

- ▶ Audio is a tag that allows you to add an audio file to your HTML

10 minutes

- ▶ In your MESSUP folder, look at the music folder and pick 5 songs.
- ▶ Modify your table and add the songs you choose using the Audio Control
- ▶ Ex. Using Radioactive
- ▶

```
<tr>  
  <td>Radioactive</td>  
  <td><audio controls> <source src= "music/Radioactive.m4a"  
    type="audio/mpeg"> </audio></td>  
  <td>Imagine Dragons</td>  
</tr>
```



**WHAT CAN WE IMPROVE
ON? OR ADD?**