

HTML Introduction

Markup Language

- XML
 - RSS
 - Podcasts

Web App Architecture

- HTML
- CSS
- JavaScript
- Back End - Python, PHP, Ruby
- SQL - Database
- You can run HTML, CSS and Most Javascript without a server
- Name your file with .htm or .html extension

HTML 4 vs HTML 5

- HTML 5 API's
 - <https://developer.mozilla.org/en-US/docs/Web/API>

Extension and Capitalization

- .htm or .html
- Capitalization in HTML does not matter
 - Boomers CAPITALIZE TAGS = `<H1>Heading</H1>`
 - Cool kids do not `<h1>Heading</h1>`
- Capitalization may matter for the Operating System for hyperlinks, images and any other linking.
- On a server the default web page is `home/index/default.htm` or `.html`

Doc Type, HTML, HEAD and BODY Tags

- Example = page-format.html
- You can generally ignore all of this, BUT best practice is to do it.

HEAD

- Title
 - Gives Page a Title
- Style
 - Points to CSS Style Sheet
- Script
 - Points to JavaScript file
- Meta
 - `<meta http-equiv="refresh" content="5">`
- Example = `page-format.html`

H1, H2, H3 and P Tags

- Example - `paragraph-tag.html`

Basic Formatting

- You can do basic formatting in HTML without CSS
 - Generally formatting should be done with CSS
- ``
- `<i>`
- `<mark>`
- `
`
- `<hr>`
- Example = format.html

Comments

- `<!-- -->`
- Example = `page-format.html`

TABLE

- `<table></table>` - Opens and closes the table
- `<tr></tr>` - Opens and closes a row
- `<th></th>` - Is a data cell for column headers
- `<td></td>` - Data cell
- Example = table.html

Lists

- `` - Ordered List
- `` - Unordered List
- `` - Each list item
- Example = list.html

Hyperlinks

- `CNN.com`
- `A page on your site`
 - `page.html` = page in the same folder
 - `folder/page.html` = page in a folder down
 - `../page.html` = page in a folder one level up
- `Page`
 - Opens page in a new window or tab
- Example = `link.html`

Images

- ``
- ``
- ``
- You can display a picture located on your server or from any other website.
- Height and Width changes how the image is displayed, but not the actual size.
- Example = pic.html

IFRAME

- `<iframe src="page.html"></iframe>`
- IFrames can be blocked by websites.
- Example = `iframe.html`

Forms

- Must send data to script for processing
- Example = form.html

DIV and SPAN

- DIV's, SPAN's and other formatting tags are used in conjunction with CSS to create a layout for a page.
- Best explained in CSS class.

Lab Work

- `search.py`
- `dashboard.py`
- `note.py`