

HTML Basics

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Review and Sample Code

<https://www.codecademy.com/learn/learn-html>

Elements and Structure Review

- **HTML** stands for **H**yper**T**ext **M**arkup **L**anguage and is used to create the structure and content of a webpage.
- Most HTML elements contain opening and closing tags with raw text or other HTML tags between them.
- Single-closing tags cannot enclose raw text or other elements.
- Comments are written in HTML using the following syntax: `<!-- comment -->`.
- HTML elements can be nested inside other elements. The enclosed element is the child of the enclosing parent element.
- Whitespace between HTML elements helps make code easier to read while not changing how elements appear in the browser.
- Indentation also helps make code easier to read. It makes parent-child relationships visible.
- The `<!DOCTYPE html>` declaration should always be the first line of code in your HTML files.
- The `<html>` element will contain all of your HTML code.
- Information about the web page, like the title, belongs within the `<head>` of the page.
- You can add a title to your web page by using the `<title>` element, inside of the head.
- A webpage's title appears in a browser's tab.
- Code for visible HTML content is placed inside of the `<body>` element.

Common Element Review

- Headings and sub-headings, `<h1>` to `<h6>` tags, are used to enlarge text.
- `<p>`, `` and `<div>` tags specify text or blocks.
- The `` and `` tags are used to emphasize text.
- Line breaks are created with the `
` tag.
- Ordered lists (``) are numbered and unordered lists (``) are bulleted.
- Images (``) and videos (`<video>`) can be added by linking to an existing source.
- Anchor tags (`<a>`) are used to link to internal pages, external pages or content on the same page.
- You can create sections on a webpage and jump to them using `<a>` tags and adding ids to the elements you wish to jump to.
- The `nav` element contains links to internal pages or content.

Atom Beautify Package

- <https://atom.io/packages/atom-beautify>
- Format HTML, CSS, JS, etc.
- Check the results especially for JS and Python – the package could make errors leading to problematic code.

In-class Exercise

- Refer to the sample code: bear.html and about-me.html
- Create a personal website with the following requirements
 - at least three pages that linked to one another (such as hobbies, projects, music, travel, etc.) **NOTE: for file names: all lowercase without spaces – use dashes not underscores for SEO:** <https://searchengineland.com/9-seo-quirks-you-should-be-aware-of-146465>
 - You need to at least use the following tags/elements (I hope you try every tag introduced in the course)
 - Basic html tags required for every html page
 - Links to external files (open in the same tab/windows and open in a new tab/window)
 - Links to other parts of the same page (aka. anchor link)
 - Ordered and unordered lists
 - Use <div> to divide your page into sections
 - <p>, three different headings
 - Add HTML Comments
 - Embed a YouTube video to at least one of the pages (Google for how-to if needed)
 - Figure out why the nav links on about-me page do not work and how to fix.

Brown Bear About Me

About Me

Michael Doliner

