HTML (Hyper Text Markup Language)

Resources: [MDN DOCS](#)

This Notes is taken from course: [UDEMY](#)

Heading Elements

1. Heading tags: <h1>...</h1> to <h6>...</h6> (In decreasing size of order)

2. Dont's for Heading tags:

- Don't use two h1 tags

- Don't skip a tag b/w two tags Ex: <h1>..<h1>   <h3>...</h3>

3. Tags: <h1> (opening tag), </h1> (closing tag)

4. Element: <h1>Hello World</h1> (Entire thing with content and tags is element)

Paragraph Element

1. <p>This is Paragraph</p>

```
<p>Hello</p>
<p>World</p>
```

2. Paragraph tag makes the content inside it as a separate paragraph.

Self Closing Tags (Void Elements)

1. <hr/> - Horizontal Rule Tag

2.
 - Break Tag

List Element

1. - Unordered list

2. - List items

3. - Ordered List

4. Example:

```
Unordered List
<ul>
<li>2/3 cup dark brown sugar</li>
<li>1 ½ tablespoons ground cinnamon</li>
<li>¼ cup butter</li>
</ul>

Ordered List
<ol>
<li>Content1</li>
<li>Content2</li>
<li>Content3</li>
<li>Content4</li>
</ol>

Nesting and Identation
<ul>
   <li>A</li>
   <li>B
      <ol>
```

```
        <li>B1</li>
        <li>B2
          <ul>
            <li>B2a
              <ul>
                <li>B2aa</li>
                <li>B2ab</li>
              </ul>
            </li>
            <li>B2b</li>
            <li>B2c</li>
          </ul>
        </li>
        <li>B3
          <ol>
            <li>B31</li>
            <li>B32</li>
          </ol>
        </li>
      </ol>
    </li>
    <li>C</li>
  </ul>
```

Anchor Element

1. - Anchor Tag with **href** attribute.

2. HTML Attributes - Syntax - <tag attribute=value>content</tag>

3. Global Attributes - https://developer.mozilla.org/en-US/docs/Web/HTML/Global_attributes

4. Example:

```html
<h1>My top 5 Favourite Websites</h1>
<!-- Write your code below →
<ol start="5">
  <li><a href="https://www.google.com/">Google</a></li>
  <li><a href="https://www.youtube.com/">Youtube</a></li>
```

```
    <li><a href="https://x.com/home">Twitter</a></li>
    <li><a href="https://www.facebook.com/">Facebook</a></li>
    <li><a href="https://www.instagram.com/">Instagram</a></li>
  </ol>
```

5. **Comments in HTML**: <!-- Write your code below →

Image Element

1. → alt attribute is very important because it is a description for image

2. Example

```
<img src="https://raw.githubusercontent.com/appbrewery/webdev/main/birthday-cake3.4.jpeg" alt="A Birthday Cake"/>
```

Absolute and Relative File Paths

1. Absolute file path: The path that is relative to the root of the computer (Ex - C: drive in windows).

2. Relative file path: The path is relative to the folder we are currently working.

3. ../ → Special characters indicates to go up a level in folder.

4. ./ → Special character indicates to search in the current directory.

HTML Boiler Plate

1. HTML boiler plate code.

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <title>My Website</title>
  </head>
  <body>
    <h1>Hello World!</h1>
```

```
    </body>
</html>
```

2. <!DOCTYPE html> → Indicates that we have written in code in HTML 5 version

3. <html lang=″en> ... </html>: Everything that we code in HTML should be under these elements and lang=″en″ indicates that the website we are creating is in English language. It is very helpful for screen readers.

4. <head> ... </head>: This is the place where important information about the website is placed. It is not shown to users.

5. <meta charset="UTF-8" />: This helps in setting the characterset that we are going to use in the website.

6. <title>My Website</title>: This tells us the tab name should be the name kept inside this element.

7. <body>...</body>: This is where all our HTML code is written and is shown in webpage.

8. Shortcut in VS code: Type ! and press Enter in .html file.