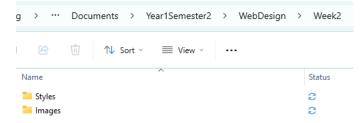
FILES AND FOLDERS — USE ONEDRIVE FOR LAB EXERCISES AND PROJECTS

- Create a new folder OneDrive/Year1Semester2/WebDesign/Week2
- Create 2 new Folders one for Images and another for Styles in Week2



** Important do not use spaces in your folder names or in your file names

HTML

- HTML stands for Hypertext Markup Language, and it is the most widely used language to write Web Pages.
- Hypertext refers to the way in which Web pages (HTML documents) are linked together, the link on a webpage is called
 Hypertext.

HTML is a Markup Language which means you use HTML to simply "mark-up" a text document with tags that tell a Web browser how to structure it to display.

html tutorial.pdf (tutorialspoint.com)

HTML Tags

As told earlier, HTML is a markup language and makes use of various tags to format the content. These tags are enclosed within angle braces <Tag Name>. Except few tags, most of the tags have their corresponding closing tags. For example, <html> has its closing tag</html> and <body> tag has its closing tag </body> tag etc.

Above example of HTML document uses the following tags:

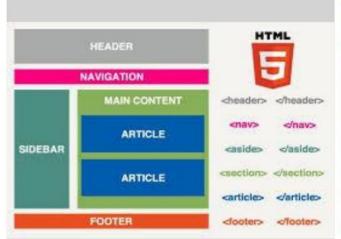
Tag	Description
	This tag defines the document type and HTML version.
<html></html>	This tag encloses the complete HTML document and mainly comprises of document header which is represented by <head></head> and document body which is represented by <body></body> tags.
<head></head>	This tag represents the document's header which can keep other HTML tags like <title>, ke etc.</td></tr><tr><td><title></td><td>The <title> tag is used inside the <head> tag to mention the document title.</td></tr><tr><td><body></td><td>This tag represents the document's body which keeps other HTML tags like <code><h1></code>, <code><div></code>, <code></code> etc.</td></tr><tr><td><h1></td><td>This tag represents the heading.</td></tr><tr><td></td><td>This tag represents a paragraph.</td></tr></tbody></table></title>

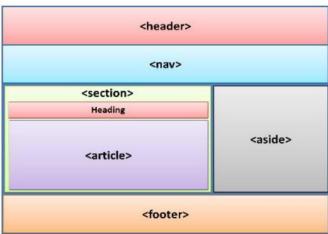
HTML Tag vs. Element

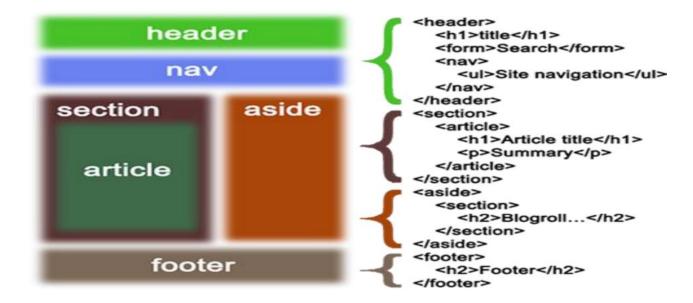
An HTML element is defined by a *starting tag*. If the element contains other content, it ends with a *closing tag*.

For example, is starting tag of a paragraph and is closing tag of the same paragraph but This is paragraph is a paragraph element.

HTML5 WEB PAGE BODY STRUCTURE







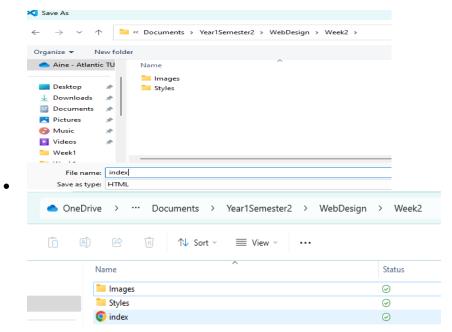
Week1/Template.html created last week

- Add in the additional meta for name="description" of your page
- Add in the additional meta for name="keywords" of your page

```
<!-- Body Tag Start of Body section display on screen
   <header>
       <h1> Welcome to this Page - using heading 1 tag h1 </h1>
       <nav>
       </nav>
   </header>
   <main> <!-- Main Section of content on page -->
       <section> <!-- Section grouping of content -->
           <h3> h3 This section display sales</h3>
            Paragraph Sales in month up by 20%
       </section>
       <aside><!-- Aside grouping of content, use css to render to the s
           <h3> h3 Aside section- this will need css to place it to the side
       </aside>
   </main>
   <footer> <!-- Footer grouping of content for display end of screen
       <center>Copyright 2024 Your name</center>
   </footer>
</body>
```

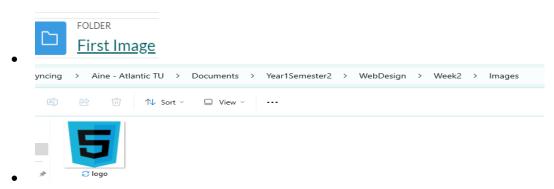
Open template.html created last week and save as index.html in your week2 folder

Week2 Lab Exercise - Template - Images



- Change Title to Display HTML5 Page
- <title>HTML5 Page</title>
- Download image from the Fist Image folder on Moodle and place it in Week2/Images folder

Lab Exercise



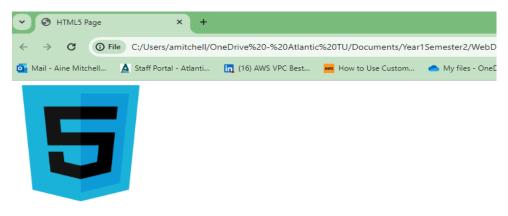
ADD AN IMAGE TO INDEX.HTML

- The tag defines an image in an HTML page.
- The tag has two required attributes: src and alt.
 - The src attribute is required, and contains the path to the image you want to embed.
 - The alt attribute holds a text description of the image, which isn't mandatory but is incredibly useful for accessibility screen readers read this description out to their users so they know what the image means. Alt text is also displayed on the page if the image can't be loaded for some reason: for example, network errors, content blocking,
 - Use both width and height to set the intrinsic size of the image, allowing it to take up space before it loads, to mitigate content layout shifts.
- Note:Images are not technically inserted into an HTML page, images are linked to HTML pages.
 The tag creates a holding space for the referenced image.
- When the Web browser gets to that tag, it requests that the image file be downloaded from the server and displayed on the page.
- The tag represents what is known as a void element or empty (see HTML5 spec">HTML5 spec), so called because it can't have any contents unlike or <h1>

```
How to insert an image:

<img src="smiley.gif" alt="Smiley face" height="42" width="42">
```

Display Page on Chrome browser



Welcome to this Page - using heading 1 tag h1

h3 This section display sales

Paragraph Sales in month up by 20%

h3 Aside section- this will need css to place it to the side of the screen

Copyright 2024 Your name

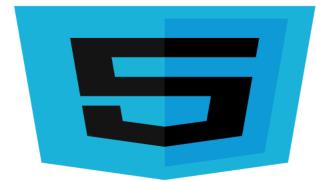
io

Display image also in Main Section with default size



Welcome to this Page - using heading 1 tag h1

h3 This section display sales



Paragraph Sales in month up by 20%

ADD SOME BOLD, ITALIC AND UNDERLINE TAGS TO YOU INDEX.HTML

Below <u>Underline <u></u>and *italic* <i> or tags nested



Welcome to this Page-using heading 1 tag h1

h3 This section display sales

Below using the **bold** tags

Paragraph Sales in month up by 20%

h3 Aside section- this will need css to place it to the side of the screen

LINE BREAK TAG - NOT TO BE USED FOR BLANK LINES ONLY TO BREAK A TEST LINE

Line Break Tag

Whenever you use the **
br />** element, anything following it starts from the next line. This tag is an example of an **empty** element, where you do not need opening and closing tags, as there is nothing to go in between them.

The
br /> tag has a space between the characters **br** and the forward slash. If you omit this space, older browsers will have trouble rendering the line break, while if you miss the forward slash character and just use
br> it is not valid in XHTML.

Company Adderess

1 Main Street Mullingar Co Westmeath

Copyright 2024 Your name

USE W3C MARKUP VALIDATION SERVICE

Go to the URL that follows, identify the file to be validated, and click the Check button:

The W3C Markup Validation Service

