Basic HTML Document

Lesson Time: 20 Minutes

START HERE.

In this lesson, we are going to look at the basic structure of a simple html file. Download the lesson2_1_template.html to view the example code.

```html
1   <!DOCTYPE html>
2   <html>
3     <head>
4       <meta charset="UTF-8">
5       <meta name="viewport" content="width=device-width, initial-scale=1.0">
6       <meta name="keywords" content="html, training, lessons, templates">
7       <meta lang="en-US">
8
9       <title>This is the title of my page.</title>
10    </head>
11
12    <body>
13      <h1>Hello World</h1>
14      <p class="paragraph" id="1">This is our first line of HTML</p>
15    </body>
16
17  </html>
18
19
```

- Every html document must start with <!DOCTYPE html>. This lets the browser know we are working with an html file.
- <html> element marks the start and end of the file. All other elements are inside of <html>
- <head> element includes extra information about the document. The head element will include
    - <title> element. The name of the document will appear in the browser tab.
    - <meta> elements. Metadata means "data about data". Metadata is extra information about the webpage. The <meta elements have information

about the language of the document, the charset set, and keywords for search engines.
  - ○ <script> elements. Javascripts scripts that should be ran by the web browser.
  - ○ <link> elements. These tell the HTML page what CSS stylesheet to apply.
- ● <body> element. The body element will include all the document content shown in the browser. A body element will include things such as
  - ○ <h1><h2><h3><h4><h5><h6> elements. Heading elements.
  - ○ <p> paragraph elements.
  - ○ unordered lists
  - ○ ordered lists
  - ○ <table> tables
  - ○ <img> images
  - ○ <a> anchors, or hyperlinks
  - ○ And many, many more.

In our next lesson, we will begin working these elements in depth.

Key Terms	Metadata
Lesson Files	lesson2_1_template.html
Additional Resources	https://www.w3schools.com/tags/tag_meta.asp
Further Learning	

LAB: Text Elements

Lesson Time: 20 Minutes

In this lab, we will create text elements on our page.

1. Open your workspace as start Visual Code Studio.
2. Download the lab2_1_text file from Canvas.

3. Inside of the <body>, practice creating text elements by typing the following code.

```html
12  ∨    <body>
13          <h1>Text Elements</h1>
14          <h1>Heading 1</h1>
15          <h2>Heading 2</h2>
16          <h3>Heading 3</h3>
17          <h4>Heading 4</h4>
18          <h5>Heading 5</h5>
19          <h6>Heading 6</h6>
20          <p>This is the first paragraph of my HTML document.</p>
21          <p>This is the second paragraph of my HTML document.</p>
22          <p>A paragraph <br> broken up <br> with line breaks.</p>
23          <p>A paragraph with <b> bold text. </b> <p>
24          <p>A paragraph with <i> italic text. </i> <p>
25
26  </body>
```

4. Check your work in browser. It should look similar to below.

Text Elements

Heading 1

Heading 2

Heading 3

Heading 4

Heading 5

Heading 6

This is the first paragraph of my HTML document.

This is the second paragraph of my HTML document.

A paragraph
broken up
with line breaks.

A paragraph with **bold text.**

A paragraph with *italic text.*

5. Save your work and upload it your assignment to your instructor.

Key Terms	
Lesson Files	
Additional Resources	
Further Learning	

Lab: List Elements

Lesson Time: 20 Minutes

In this lab, we'll be created different kinds of lists.

- The <ul> element creates an unordered list
- The <ol> element creates an ordered, or numbered list.
- Each item in a list is defined with the <li> list element.
- We can use the **type** attribute to change options about our lists.

1. Open your workspace as start Visual Code Studio.
2. Download the lab2_1_text file from Canvas.

3. Inside of the <body>, practice creating text elements by typing the following code.

```html
<body>
    <h1>List Elements</h1>
    <ul>
        <li>Unordered list item 1</li>
        <li>Unordered list item 2</li>
        <li>Unordered list item 3</li>
    </ul>
    <ul type="square">
        <li>Unordered list item 1</li>
        <li>Unordered list item 2</li>
        <li>Unordered list item 3</li>
    </ul>


    <ol>
        <li>Ordered list item 1</li>
        <li>Ordered list item 2</li>
        <li>Ordered list item 3</li>
    </ol>

    <ol type="a">
        <li>Ordered list item 1</li>
        <li>Ordered list item 2</li>
        <li>Ordered list item 3</li>
    </ol>
```

4. Check your work in browser. It should look similar to these results.

List Elements

- Unordered list item 1
- Unordered list item 2
- Unordered list item 3

- Unordered list item 1
- Unordered list item 2
- Unordered list item 3

1. Ordered list item 1
2. Ordered list item 2
3. Ordered list item 3

a. Ordered list item 1
b. Ordered list item 2
c. Ordered list item 3

5. Upload your work to your instructor.

Key Terms	
Lesson Files	
Additional Resources	https://www.w3schools.com/html/html_lists.asp
Further Learning	