

HW 2

In this assignment, you will create a folder named HW2 in the main branch. Inside this folder, add an **index.html** file and an **img** folder. In the index.html file you will add code that demonstrates the use of various HTML tags. Be sure to read the instructions carefully and remember to commit and push your work so it is available for review.

Assignment

The following will explain how to log into GitHub, open your Codespaces and start the Web Server. Before working on any Lab or HW assignment, you need to ensure your working environment is configured correctly. All your work will need to be done in the main branch, unless specified in the project. If you aren't sure which branch you have checked out, follow the steps in **Lab 1** to see how to check out a specific branches.

- Go to <https://github.com/>
- Click the **Sign in** link to log into your account.
- Click the menu at the top left, then click Codespaces.
- Locate the Codespace you created for this class. Click on the title to load your Codespace. This may take a while to load completely.

Folders & Files

- Create a folder called **"HW2"** (no spaces in the name).
- In the HW2 folder, create a file called index.html.
- Create a folder called **img**. You will need to add the image file to it.

How to Edit your Code (Please read carefully)

When working with any source code editor (e.g., Visual Studio Code), by default a feature called "Auto Complete" will be enabled. This feature will auto complete tags you have started typing in your source code. Do not be alarmed, this is the behavior that should occur. Please take a moment to review the source code you will be typing before you start, so you will not get confused as you are typing and auto complete finishes your tags. The following code snippets need to be completed in succession. Each snippet will build from the previous snippet. Only the code highlighted is what you need to update in your code.

When you see text surround by brackets, you will need to replace the brackets and text with the instructions for the number:

[READ INSTRUCTION N]

For Example:

INSTRUCTIONS (READ CAREFULLY):

1. Write Hello World!

```
5      </head>
6      <body>
7          <p>
8              [READ INSTRUCTION 1]
9          </p>
10     </body>
11 </html>
```

You will need to locate the instruction number (N) and make the changes in the snippet of code accordingly.

Source Code

Before writing any of the code in the snippets, make sure to read any notes before the snippet to ensure you write the code correctly.

- Added the below code to the index.html file. It will be the basic shell for all projects:

```
1 <!DOCTYPE html>
2 <html lang="en">
3     <head>
4         <title>My First HTML Page</title>
5     </head>
6     <body>
7
8     </body>
9 </html>
```

- Building from the previous code, add ONLY the code highlighted in the next snippet of code. You will be adding various heading tags with some content. Type the code exactly how you see it:

```

6      <body>
7      | ..... <h1>Welcome to HTML</h1>
8
9      | ..... <h2>This is my second level heading...</h2>
10
11     | ..... <h3>Paragraphs:</h3>
12
13     </body>
14 </html>

```

- In the next snippet of code, you will need to get some generated text from this website:

INSTRUCTIONS (READ CAREFULLY):

1. Got to <https://www.lipsum.com/>. Copy any of the generated text and paste in-between the <p> tags.

```

12      <p>
13      | This is a paragraph of text on my webpage.
14      </p>
15
16     | ..... <p>
17     | ..... [READ INSTRUCTION 1]
18     | ..... </p>
19

```

It should reassemble the below if did it correctly:

```

16      <p>
17      | Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut
18      | labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco
19      | laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit
20      | in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat
21      | cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.
22      </p>

```

- Let's continue by practicing how to add line breaks using HTML. Add the below highlighted code:

```

16      <p>
17      | Lorem ipsum dolor sit amet, consectetur
18      | labore et dolore magna aliqua. Ut enim
19      | laboris nisi ut aliquip ex ea commodo
20      | in voluptate velit esse cillum dolore
21      | cupidatat non proident, sunt in culpa
22      </p>
23
24     | ..... <h3>Line breaks:</h3>
25
26     | ..... <br>
27     | ..... This is a line.
28     | ..... <br>
29     | ..... <br>
30     | ..... This is another line.
31
32     </body>
33 </html>

```

- Now we need to add a hyperlink and image. When the user clicks the hyperlink, a new tab will open.

For the image, make sure you placed it in the correct folder unless it will not work.

```

29     <br>
30     This is another line.
31
32     ..... <h3>Hyperlink:</h3>
33     ..... <a href="https://www.qcc.cuny.edu" target="_blank">Click to go to QCC Homepage</a>
34
35     ..... <h3>Image:</h3>
36     ..... 
37     </body>
38 </html>

```

- If you need to add a list of items to your web page, below is how you can accomplish doing it:

```

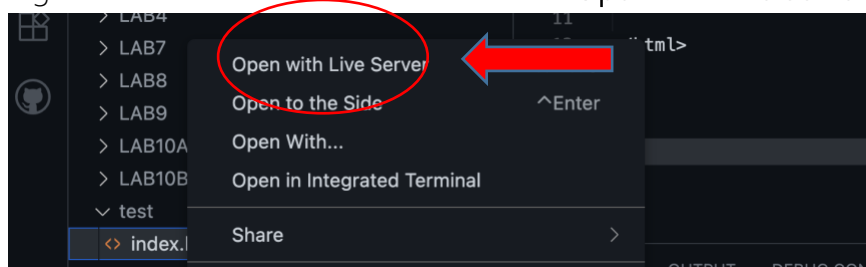
36     
37
38     ..... <h3>Unordered List</h3>
39     ..... My Shopping List:
40     .....
41     ..... <ul>
42     ..... <li>Coffee</li>
43     ..... <li>Tea</li>
44     ..... <li>Milk</li>
45     ..... <li>Bread</li>
46     ..... <li>Cereal</li>
47     ..... </ul>
48
49     ..... <h3>Ordered List</h3>
50     ..... My TODOs:
51     ..... <ol>
52     ..... <li>Lab 2</li>
53     ..... <li>Homework Project 2</li>
54     ..... <li>Basketball Practice</li>
55     ..... <li>Gym</li>
56     ..... </ol>
57     </body>
58 </html>

```

Preview Web Page

You will need to update the URL in your address bar to get to your project. The below explains how to preview your work. Make sure all your work has been saved.

- Right click on the index.html file and click "Open with Live Server":



- In the address bar, place your cursor at the end of the URL, type `/HW2/`, and then press Enter. You should see the following:

Welcome to HTML

This is my second level heading...

Paragraphs:

This is a paragraph of text on my webpage.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Line breaks:


This is a line.

This is another line.

Hyperlink:

[Click to go to QCC Homepage](#)

Image:



Unordered List

My Shopping List:

- Coffee
- Tea
- Milk
- Bread
- Cereal

Ordered List

My TODOs:

1. Lab 2
2. Homework Project 2
3. Basketball Practice
4. Gym

Submission

- When committing your work, use the following commit message:
 - Added homework 2 files
- Commit and push your changes to your repository.
- Go to your repository, open the folder you created for this assignment, and copy the URL from the address bar.
- In Brightspace, find this assignment and paste the copied URL into the **Comments** section.