**IS 312: Web Design and Programming**

**PE01: Programming Exercise**

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**Objective:** On completion of this exercise, the student should have a foundational HTML & CSS document that allows them to iterate on the project to complete the remaining PE exercises for the quarter.

Using your preferred IDE for HTML / CSS / JavaScript, you should create a new project. On completion of this exercise, you should have the following documents:

1. A .htm ( or .html ) document which will provide the UI for your project.
2. A .css file which will contain the styling information for your project.

These will be the foundation for all the PE exercises for this quarter.

**Task #1: Create the HTML document.**

Students should create a blank document with a .htm ( or .html ) extension. Inside of this document you will build the appropriate sections:

Be sure to include the following at the top of the document:

<!DOCTYPE html>

<HTML>

Next, we will create the HEAD block of the document. The HEAD block of code gives details about your page. Within the head block of your document, you will need to have the following:

* The following should be present in the HEAD block:
  + TITLE tag – You should set this to something that describes your page/project. See pg. 6 of Collins, for more details on the title tag.
  + LINK tag - You will use this to connect the HTML document to the CSS file you will create in task 2. Details of the syntax of the link tag can be found on pg. 9 of Collins.
  + The META tag to describe the authors name. You can find more details on pg. 7 of Collins about the meta tag. For this assignment this should look something like:  
     <meta name="author" content="<STUDENT’S NAME HERE>" />

Once you have the HEAD block done, it is time to move onto the BODY block of the document. This is the part of the document that contains the viewable information that your HTML document is meant to display.

* The following should be present in the BODY block:
  + At least one PARAGRAPH tag. The contents of this tag should be the following text:  
     **“Hello City University of Seattle!”**   
    This text may change over the course of the PE exercises this quarter. You can find more details about the <p> element on pg. 69 of Collins.
  + You must have at least one Anchor tag that creates a link between your HTML document and the url: <https://www.cityu.edu/> . More information on the <a> tag can be found in Collins, on pg. 115.

You should be sure to close out the HTML document with the </HTML> closing tag at the bottom of the page after the closing tag for the BODY block.

You can see a simple example of a HTML document on Page 4 of Chapter 1 of Collins. Your submission should follow a similar format, but with the required tags above.

Now that we have the HTML, let’s move on to the CSS file.

**Task #2: Create a CSS document.**

This document contains the styling information for your project. It should at the minimum contain the following for the HTML document:

* Styling information for the page background ( color or image as you prefer).
* Basic font type, size, and color information.

If you are inclined, you are welcome to style the Anchor tag and it’s various states, but this isn’t required. A good CSS reference that you can use is: <https://www.w3schools.com/cssref/default.asp>

**Task #3: Apply the styles**

Now that you have both a HTML document and a CSS document, you need verify that those styles are being applied to the elements of the HTML document.

**Submission:**

Now that you have completed the above tasks, you need to zip your files ( HTML and CSS) and submit them via Brightspace.