**Course**: IDCE 30262, Webmapping and OS GIS

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**Assignment**: Lab 4

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My GitHub page: <https://tmfrancis.github.io/>

Graphical user interface, application, Teams

Description automatically generated

**Task 1.11**

Assiging a value to message without let or var results in a globally scoped variable. When let is used, message becomes block scoped and is not available outside of the welcome() function. As a result, the document.write(message); command writes nothing.

**Task 2.3**

When the line “document.write(welcome());” is removed from external.js, the <h1> element is not included in the index.html page. This is because the welcome() function does not run by itself; it needs to be called.

**Task 2.6**

As currently written, external.js writes a <h1> element. The main\_style.css file sets <h1> color to the same color used as background for the page. Consequently, calling external.js in other elements results in text that is not visible. In addition, calling external.js in other elements results in the visitor to supply their name a second time.

Since external.js is embedded in <head></head>, functions in external.js can be called anywhere within the HTML document.

Adding a second function to external.js can take advantage of the global scope of user\_name and allow it to be wrapped in a more generic element tag. Adding the following code to external.js would accomplish this:

function useName()

{

message2 = "<p>Looking good, Billy " + user\_name + "!</p>"

return message2

}

Calling the second function in other locations in the HTML document will allow the user input to be referenced again without a second input. The function can be called with the following lines:

<script>

document.write(useName());

</script>