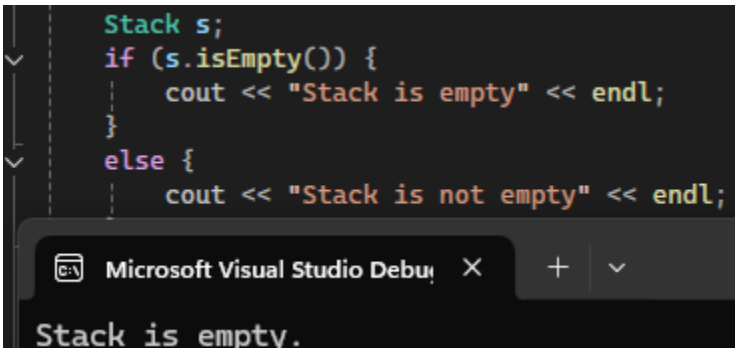
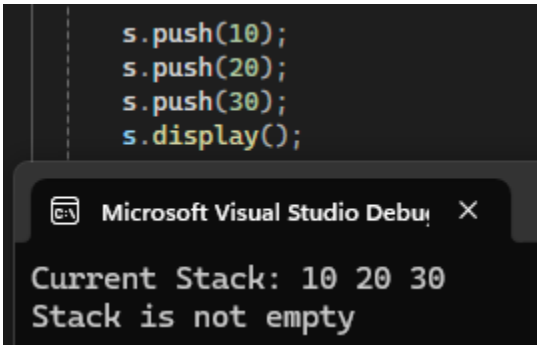
CS 303 Assignment 2 – Stacks

(All code and returns will be built off of the previous results)

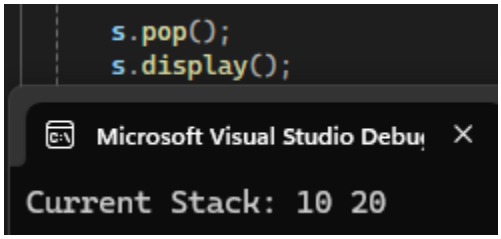
1. Creation of the stack as well as the isEmpty function that will return a Boolean value to help determine if the stack is empty or has items.



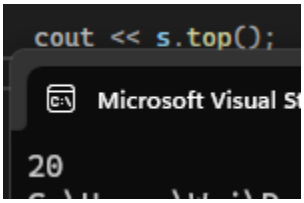
2. Since we are working with vectors, a push_back function would be the best for adding items into the stack.



3. As before, since we are working with vectors, pop would be appropriate for quicking removing items from the stack. Though it is limited to removing items from the end of the stack.



4. Next is a function that will return the top of the stack when called.



5. Finally, the average function was incorporated through the numeric library. It helps quickly solving for the average of the stack and helps the return.