

## LAB6

### Testing:

For this lab I found the testing to be fairly straight forward. As I was building both the stack and queue class I was sure to test the individual parts as I went along. Using the stack class as an example, I first tested the constructor. In doing this I was making sure that I could make a stack object. After confirming that I could do this I proceeded to build and test the add function. This involved adding several values to the stack. I did find it simpler to just create a display function for both classes. This allowed me to test my results since I could see what was actually sitting in the stack or queue. After successfully testing the add function I worked on the remove function and tested its functionality. Since this function returned a value I was able to print the returned value to confirm that I was removing the proper value.

Overall the testing plan for this program was fairly straight forward. Inside of my main, I included a sample of what I tested. One note, for the queue function I decided to test displaying the queue backwards. This was to confirm that the previous pointer was working as expected. I didn't leave it programmed like this, but I thought I would mention that it was part of my testing process. Both the stack and queue display functions display as you would expect to see them.