### 1A. HOW TO RUN CODE

STEP 1) Run "python server.py" (DO NOT QUIT PROGRAM)

STEP 2) Run "python client.py"

STEP 3) Finally the client should display "CONNECTION SUCCESSFUL" and the server should say the client is connected to your address.

STEP 4) You will now be able to send messages to the client and server. Make sure you send a message to the client first then the server next and so on and so on

#### 1B. SCREENSHOT OF RUNNING CODE

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PS C:\Usera\violam\Documents\Githdo\Project_4.Client_Server_Chat> python server.py
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```

#### 1C. COMMENT/QUESTIONS

I do have a question regarding extra credit. I considered taking the case where if the input is empty then the program should not quit and is sent out as a message. I did this by appending a header\_size length at the front of the message. Then I can split the size of the message from the data such that I know how long the message will be if the data is not complete. Well my question is if that counts as extra credit?

# 2A. **SOURCES USED**

CITED SOURCES: LOCATED ON CLIENT.PY

## 2B. **COMMENTED CODE**

Code has been commented on both client.py and server.py