**CSE 3140 Lab 0**

**Tom McCarthy**

**NetID: tkm20002**

**Section Z81**

**VM IP: 172.16.49.96**

1. Connecting Over the VPN:

A screenshot of a computer

Description automatically generated

2. After executing the SSH tunneling command, I connected to the VM

A screenshot of a computer program

Description automatically generated

3. I used the ‘ls -l’ command to display file information:

A screenshot of a computer screen

Description automatically generated

**A. Name of File: Q3.22501**

**B. Size of File: 453**

4. I used ‘vim Passwords.txt’ to open the passwords file in vim and then used the search tool (forward slash) to find the password for user U44444.

A screenshot of a computer

Description automatically generated

**Password: P88375**

5. I used the command ‘sudo chmod a+r Q5’ to make the file readable. I also used this command for Q7.py for question 7.

A screenshot of a computer screen

Description automatically generated



**Contents of Q5: V67785**

6. I used the grep command to search for the desired string with wildcards and piped the result into the file Q6output. The contents of Q6output contain the desired string:

A blue screen with white text

Description automatically generated

**String I found in Passwords.txt: U689471Y**

7. After using the same chmod command I used in question 5, I executed Q7.py

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Description automatically generated

**String outputted: S165292176858353400218**