Old Dominion University

CYSE 301 Cybersecurity Techniques and Operations
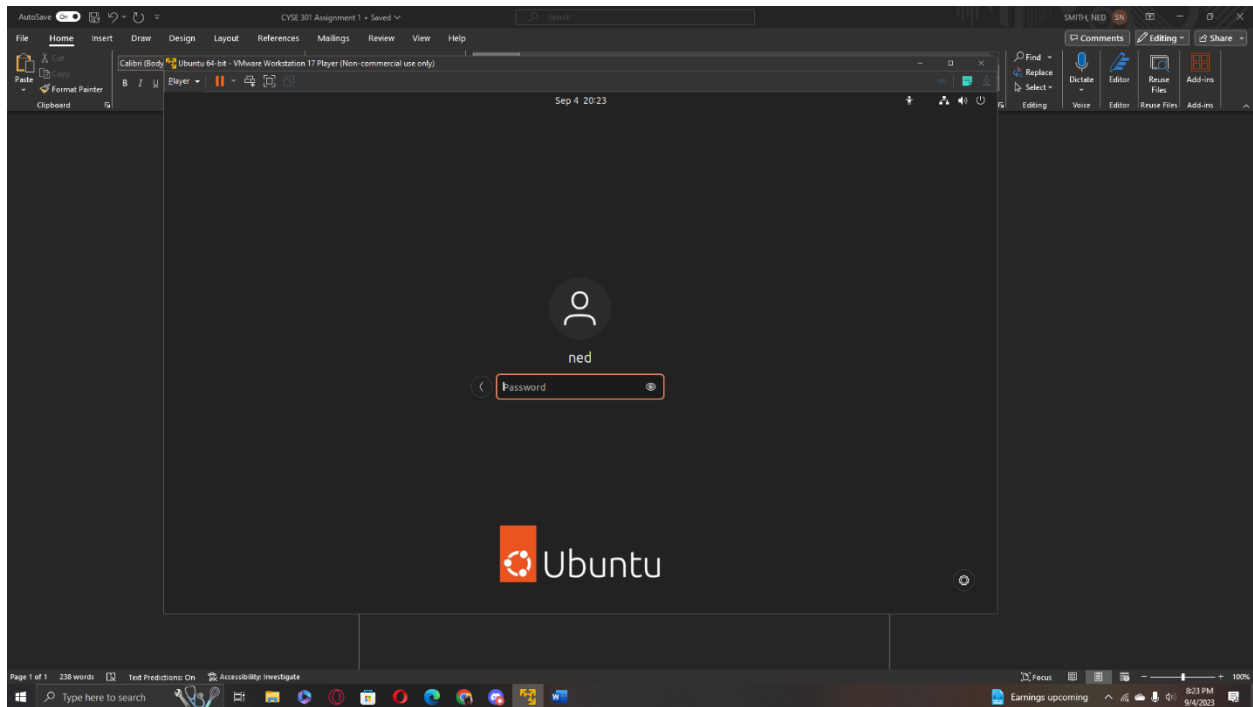
Assignment #1 Traffic Tracing and Analysis
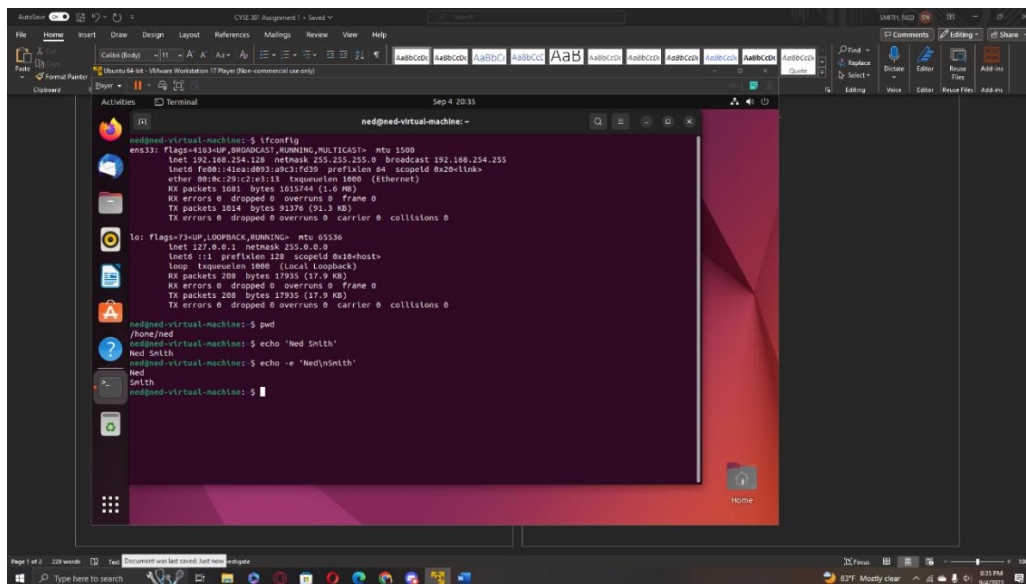
Ned Smith

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Task A

Question 1

Explanation: Above I showed the login screen to show I successfully installed a virtual machine that can run Linux
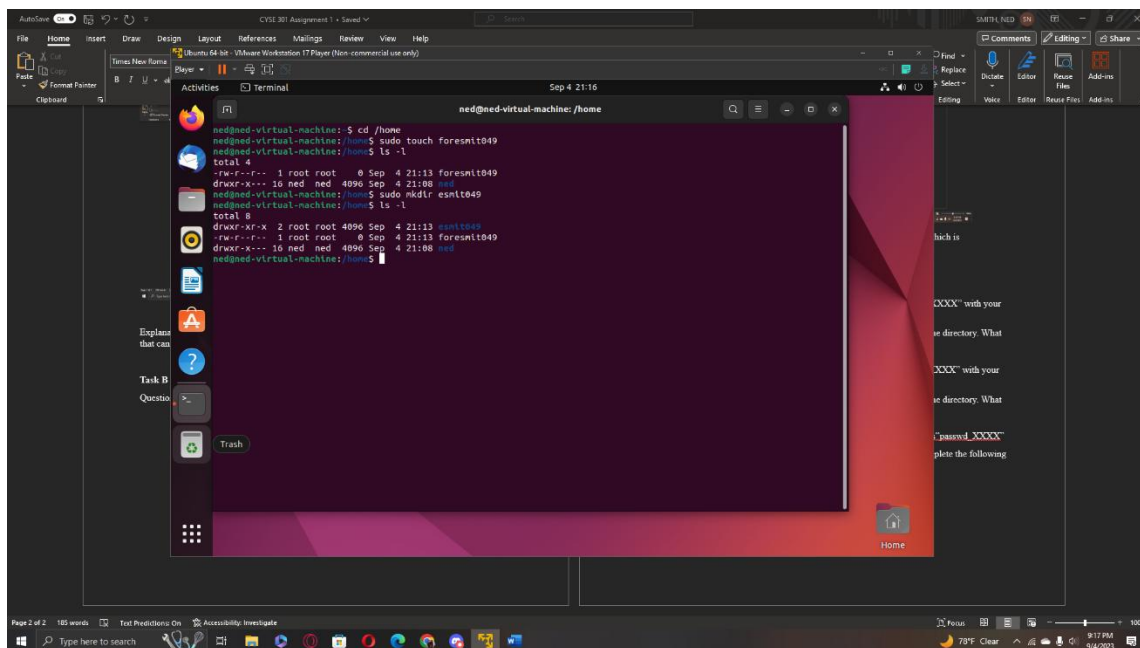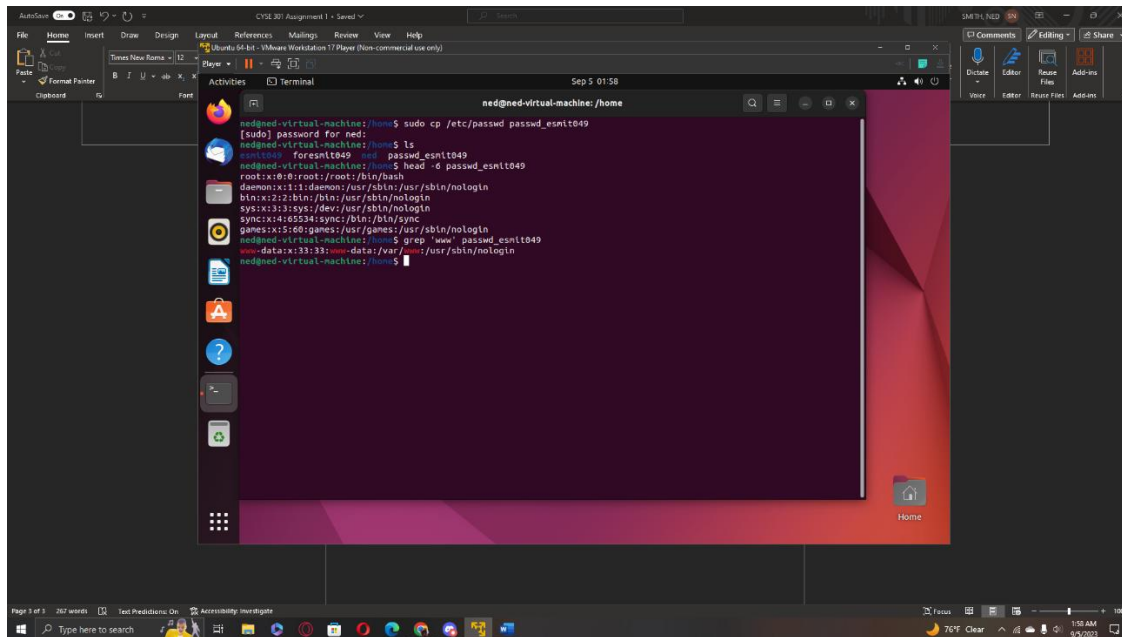
Task B

Questions 1-4

Explanation: First, I used the "ifconfig" command to display my ip address, which is 192.168.254.128. Then I used the PWD command to display the current directory before using the echo command followed by my name to print my name in the terminal. Then, I used the echo command again followed by -e to enable the interpretation of escape characters and then followed by 'Ned\nSmith' to print my name in two separate lines.

Questions 5-7

Explanation: First I used cd /home to navigate to the home directory using its absolute pathname. Then I used the touch command followed by "foresmit049" to create a file with the given name in my home directory, before then using the ls -l command to list the files in the home directory in long list format. This gave me the size of the "foresmit049" file, which was 0 bits. Then, I used "mkdir esmit049" to make a directory titled esmit049 inside of the home directory, followed by using the ls -l command to list the files in the home directory in long list format once again. This gave me the "esmit049" directory size, which was 4096 bits.

Explanation: I used the cp command to copy the /etc/passwd file to the home directory as well as renaming it to passwd_esmit049. Then I used the ls command to verify if the file was in the home directory, before using the head command followed by -6 to display the first six lines of the passwd_esmit049 file. Finally, I used the grep command followed by "www" to search the passwd_esmit049 file for all instances in the file where "www" came up.