**Lab 2**

**Tasks**

Discover the following information about the Course Server

* OS name – **Ubuntu Version 16.04 LTS**
* Hostname – **cisvm-cop4640-1**
* Kernel name - **Linux**
* Kernel release number – **4.4.0-104-generic**
* Kernel release date- **Mon Dec 11 2017**

Discover the following information about your current session:

* With which username did you log onto the Course Server? – **n00961805**
* When did you log onto the Course Server? - **2019-01-22 15:17**
* From which IP address are you connecting to the Course Server? - **192.168.100.41**
* To which terminal (pts) on the Course Server are you connected?
* In which folder are you currently? – **The home folder for my user N00961805 (/home/N00961805)**
* What commands have you performed so far?
  + Hostname
  + Uname -r
  + Uname -o
  + Uname -a
  + Who
  + echo $SSH\_CLIENT | awk '{ print $1}'
  + pwd

 In your home directory, perform the following steps

* Create a folder named lab1 – **mkdir lab1**
* In the lab1 folder
  + Create an empty file named myTest (do NOT use a text editor) – **touch myTest**
  + Store the current date and time in the myTest file (do NOT open the file) - **echo "$(date)" >> myTest**
  + Display the contents of the myTest file (do NOT open the file) – **cat myTest**
  + Rename the myTest file to myNewTest – **mv myTest myNewTest**
  + Copy the myNewTest file to a new file named myNewTest2 – **cp myNewTest myNewTest2**
  + Display the contents of the lab1 folder- **ls -l**
* Delete the lab1 folder and all of its files (use a single command) – (first I moved to the home directory ) **rm -r lab1**

Display the message, *Hello, my name is XYZ!* to all the users currently connected to the Course Server- **wall -n Hello, my name is Francis Rukab!**

**Questions**

1. What is the purpose of the mancommand?

**It allows you to read pages from the manual.**

1. What is the affect of including the following symbols with the cd command?
   1. Forward Slash (i.e., "cd /") – **Takes you to the root directory.**
   2. One Dot (i.e., "cd .") – **Leaves you in your current directory.**
   3. Two Dots (i.e., "cd ..") – **Moves you up one folder.**
   4. Dash (i.e., "cd -") – **Displays your current directory.**
   5. Tilde (i.e., "cd ~") – **Takes the user to their home directory.**
2. What command would you use to view the current running processes?

**Top**

1. Answer the following questions about the head command:
   1. What is the purpose of the head command?

**Shows the first 10 lines of the file you specify.**

* 1. By default, how many lines does the head command display?

**10 lines**

* 1. How would you change the number of lines displayed by the head command?

**By adding using head -n [Number] [Filename]**

1. Answer the following questions about the tail command:
   1. What is the purpose of the tail command?

**Shows the last part of the specified file.**

* 1. By default, how many lines does the tail command display?

**The last 10 lines.**

* 1. How would you change the number of lines displayed by the tail command?

**tail -n [Number] [Filename]**

1. Answer the following questions about the sudo command:
   1. What is the purpose of the sudo command?

**Runs the command as root (elevated permissions)**

* 1. What must a user commonly do when using the sudo command?

**Enter a password.**

* 1. By default, what is the password cache time of the sudo command?

**5 minutes. So if you waited 5 minutes and used the sudo command again, the user would be asked to enter their password.**

* 1. Which file would you edit to increase or decrease the password cache time (provide the full path)?

**/etc/sudoers**