**CPSC 2106 Lab 1: Linux Core Commands**

Max points: 10

**In this assignment you’ll practice the core commands in Linux. You’ll access the Ubuntu machine on the Netlab server to carry out your work.**

**To access Netlab** go to netlab.columbusstate.edu

Enter your Netlab login and password. Reserve a pod from NISGTC Security+ **for yourself** (not for your team)

Click on the Ubuntu Machine. It will ask you for the password of user student. The password is **securepassword**

When Ubuntu starts, click on the terminal on the left side bar. The terminal opens.

Carry out the tasks listed in the table and fill in the corresponding cells with the command you use for each task . Take screenshots of your screen at Steps 4, 9, 10, 11. You can use the Snipping Tool to take screenshots in Windows. (Watch the video here if you need help with Snipping Tool: <https://www.youtube.com/watch?v=ayi5-7QPNcA>)

Recall that you can use the touch command in Linux to create an empty file: touch data.txt

Also, you can use the cat command to view the contents of the file: cat file.txt

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| --- | --- | --- | --- |
| **Step #** | | **Task** | **Command** |
| 1 | Check your present working directory | | pwd # root $ user |
| 2 | Create a directory with your name | | mkdir myfirstname |
| 3 | Create a directory with your last name | | mkdir mylastname |
| 4 | List the contents of your current folder | | ls ~ |
| 5 | Change into the directory with your name | | cd myfirstname |
| 6 | Create an empty file called test1.txt | | touch text1.txt |
| 7 | Without changing your current directory, create a file called test2.txt in the directory with your last name | | touch mylastname test2.txt |
| 8 | List the contents of current directory | |  |
| 9 | List the contents of the directory with your last name. | |  |
| 10 | View the contents of the passwd file under/etc directory. | |  |
| 11 | View the contents of the shadow file under/etc directory. | |  |

**Provide answers to the following questions:**

1. What is absolute path? What is the absolute path for the test2.txt file you created above?
2. What is relative path? If you are in the directory with your first name, what is the relative path to test2.txt

**Reflection:**

1. What was the most challenging part of this assignment for you?
2. What was the most enjoyable part of this assignment for you?
3. What did you learn through this assignment?

**Grading Rubric**

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| **Item** | **Max score** |
| Completion of cells in the table | 2 |
| 4 screenshots | 4 |
| Answers to 2 questions | 2 |
| Answers to reflection questions | 1 |
| Style | 1 |
| **Total** | **10** |