

Instructions:

This handout is just for practice. It is the responsibility of the student to attend class to mark their own work in class when your professor takes up this exercise. You are NOT required to hand this practice sheet into your professor (keep it for future practice).

The answers to this handout will NOT be posted or emailed to students.

Write the answer to each question below the question in the space provided. You can “wrap-around” the answer on separate lines if you need more space.

Questions:

1. What is a “Linux Cluster”? What is an advantage of using a Linux cluster?

➔ A LINUX CLUSTER IS A GROUP OF LINUX COMPUTERS NETWORKED TOGETHER TO SUPPORT MANY USERS .
ITS COST EFFECTIVE. FOR EXAMPLE, VERY LOW COST AS OPPOSED TO BUYING A MAINFRAME.

2. List three unique server names at Seneca college and briefly explain the purpose of that server.

➔ matrix.senecacollege.ca – to practice linux commands and perform assignment
my.senecacollege.ca – student learning content (uli101 notes, etc.)
ict.senecacollege.ca - profs webs
wiki.cdot.senecacollege.ca – uli101 wiki

3. List the steps to connect and login to your Matrix Seneca College account on your home computer.

➔ windows :--
make certain you are connected with the student vpn
click start button
type cmd enter
type ssh yourseneca-id@matrix.senecacollege
type yes to share your public key (if first time)
Type your password and enter

**4. List alternative methods to connect to your Matrix account, including if you have an Apple Mac computer or are running the Linux operating system.
Alternative ways to connect to your MATRIX ACCOUNT :--**

➔ Mac osx :--

Make certain your connected to student vpn.
Click on launchpad
type terminal enter
Type ssh yoursecula-id@matrix.senecacollege.ca
Type your password and enter

➔ **Linux OS :-**

Make sure your connected with the student vpn.
After that, open main menu and click go to the Applications > System Tools > Terminal
In command line, type ssh seneca-id@matrix.senecacollege.ca
Press enter
If first time, to share a public key, type yes.
Type your passport when prompted and press enter.

5. List 3 unique ways to log out of your Matrix account (not including closing the SSH window or application).

➔ by issuing the exit or logout commands or we can press a shortcut key : <ctrl> <d>

6. What is the difference between a Linux command and an argument?

➔ A Linux command is used to perform a specific task
an argument is used to provide an additional information to the command
an option is a special type of argument that changes the way that command works.
ls
ls -l

7. What is the purpose of a Linux command option?

➔ a linux command option allows flexibility on how command is to perform
man command
man -k video

8. What character(s) is used to separate commands and arguments?

➔ space, multiple spaces or tabs.

9. Create a table listing each Linux command, useful options that were mentioned in the online assignment #1 and command purpose for the following Linux commands:

pwd , cd , ls , cal , date , who , w , whoami , who am I , clear

➔ pwd -> display Current working Directory
cd ->dir-pathname -> Change Directory
ls -> -l,-a,-R,-d,dir-pathname -> display List files of directory
cal -> month year -> display Calender
date -> display Date and time

who -> list users log into the servers
whoami -> display the username of user logged in
clear -> clear screen