OLD DOMINION UNIVERSITY

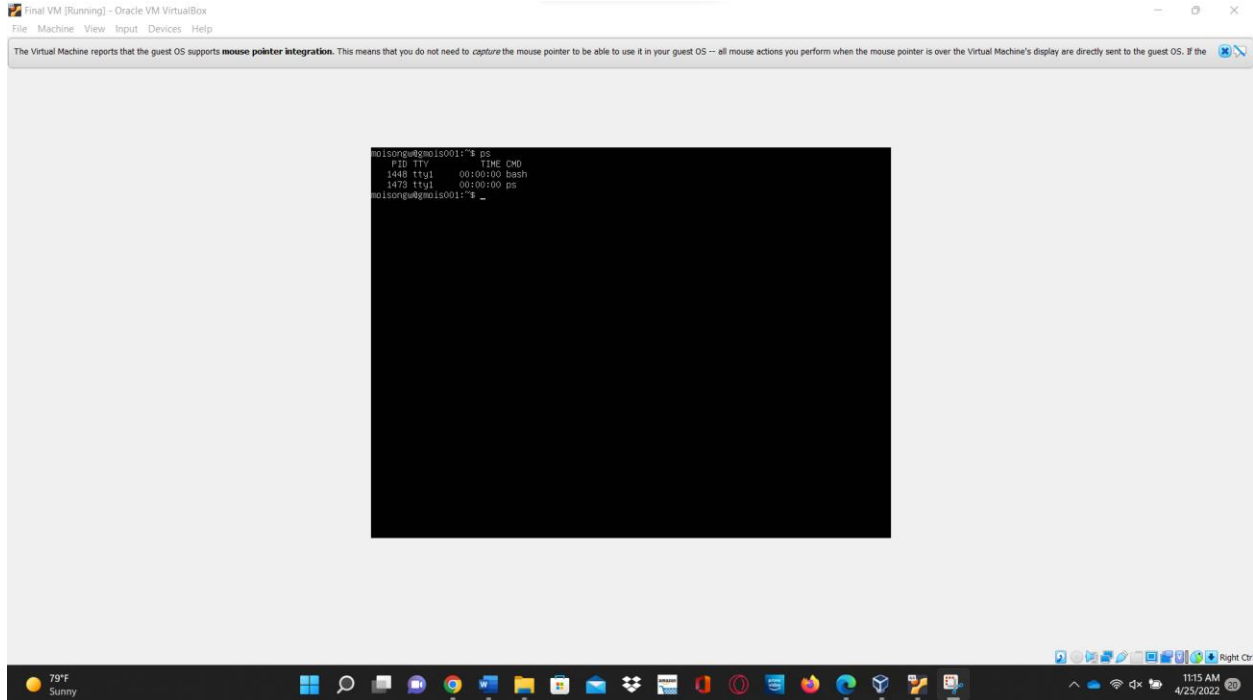CYSE 270 LINUX SYSTEM FOR CYBERSECURITY

Assignment #14 System Admin
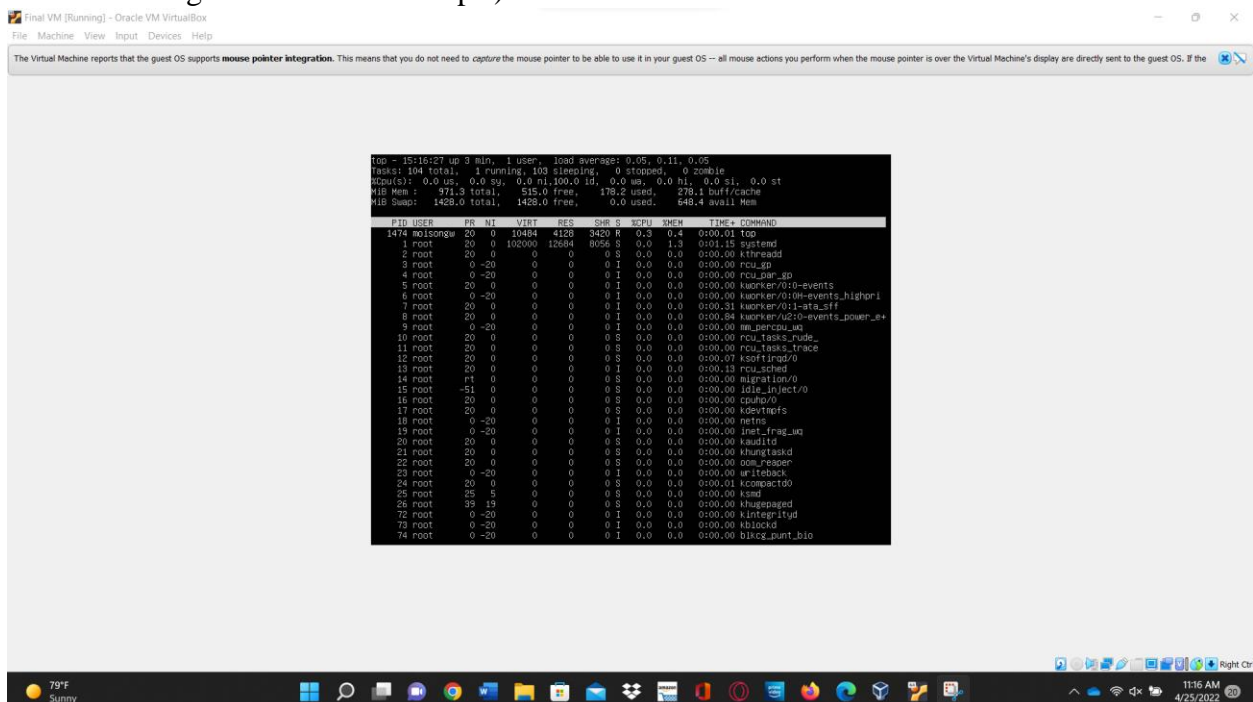
Garrett Moison

04/25/2022
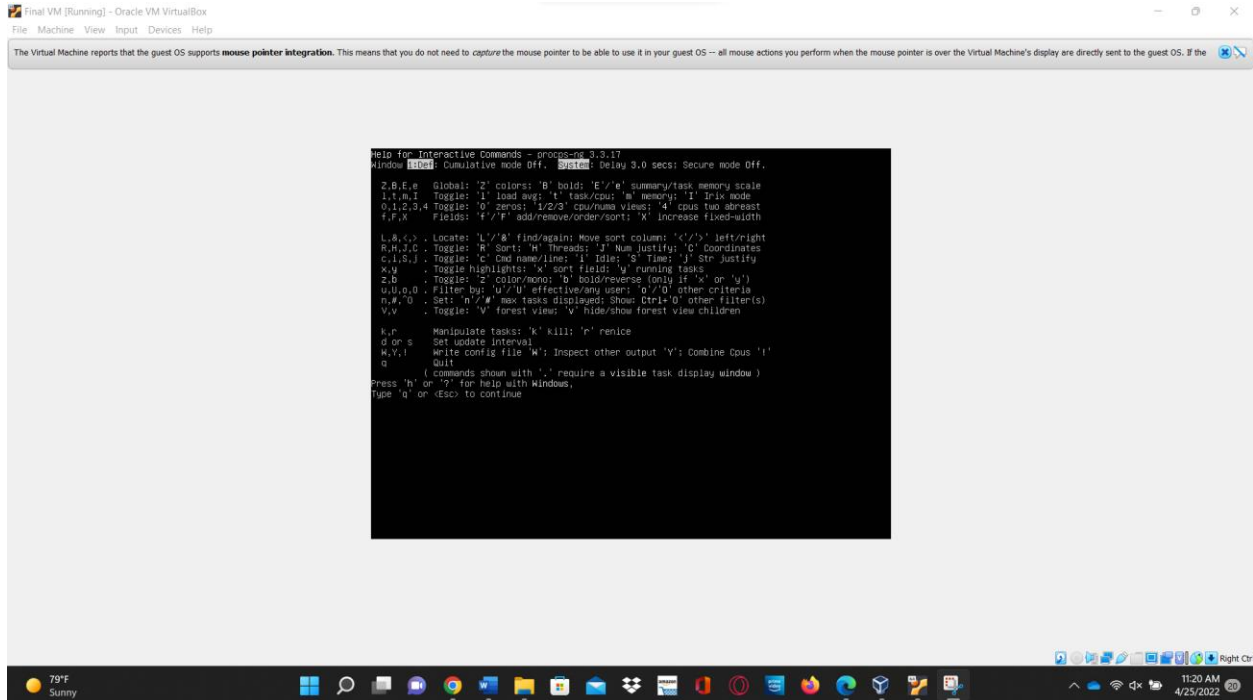
TASK A – MANAGING SYSTEM PROCESSES

1. Open the terminal in your VM
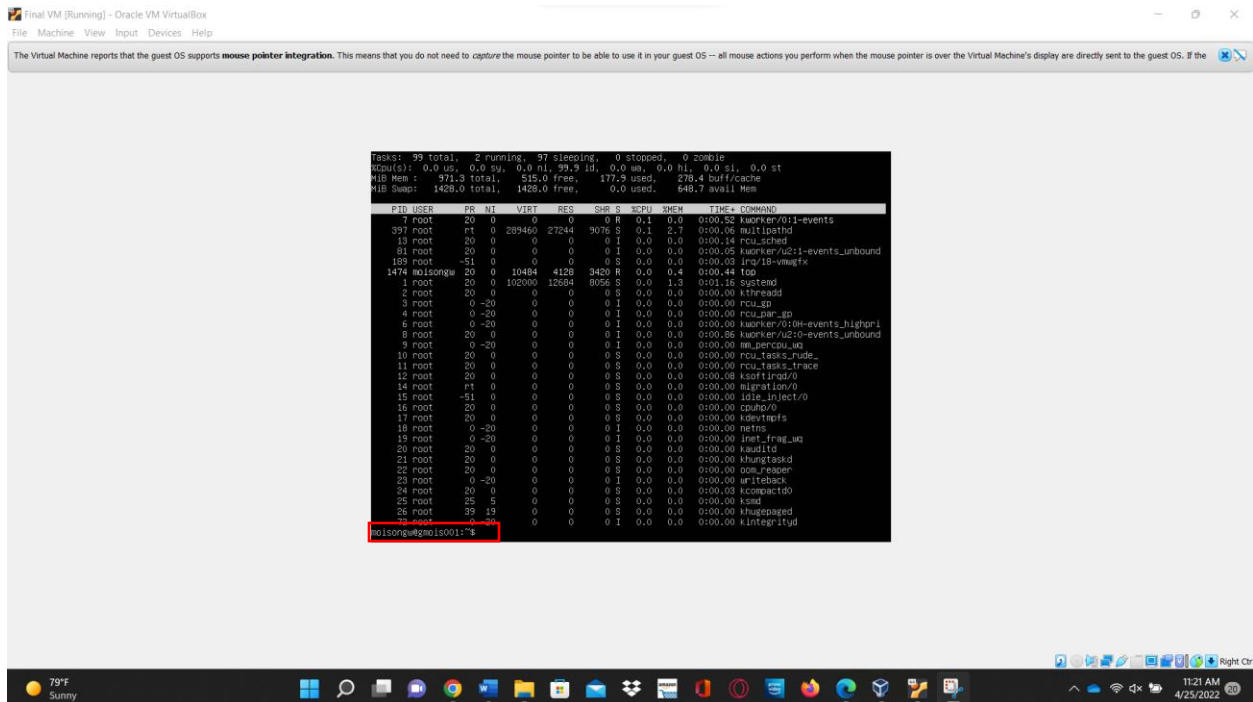2. List the processes that are running in the current shell.

3. List all processes that are running in the current shell.
4. Display all processes that are running by using the **top** command. (Keep this command running for the next few steps.)
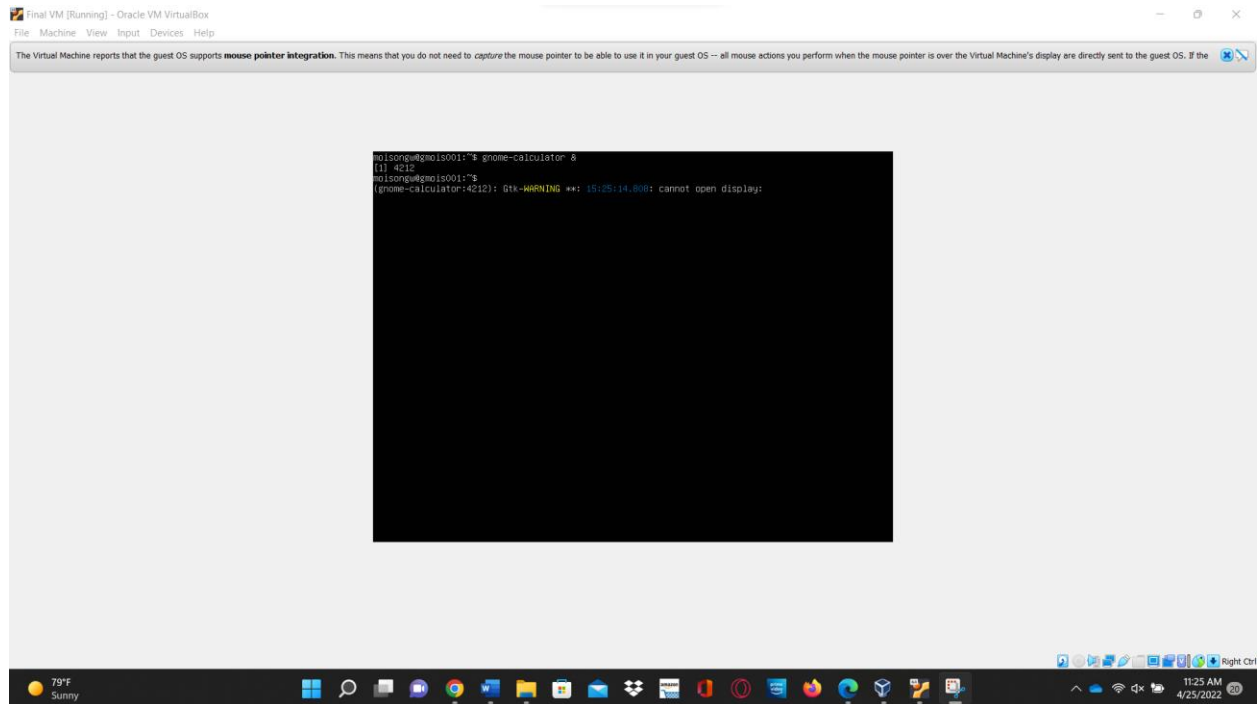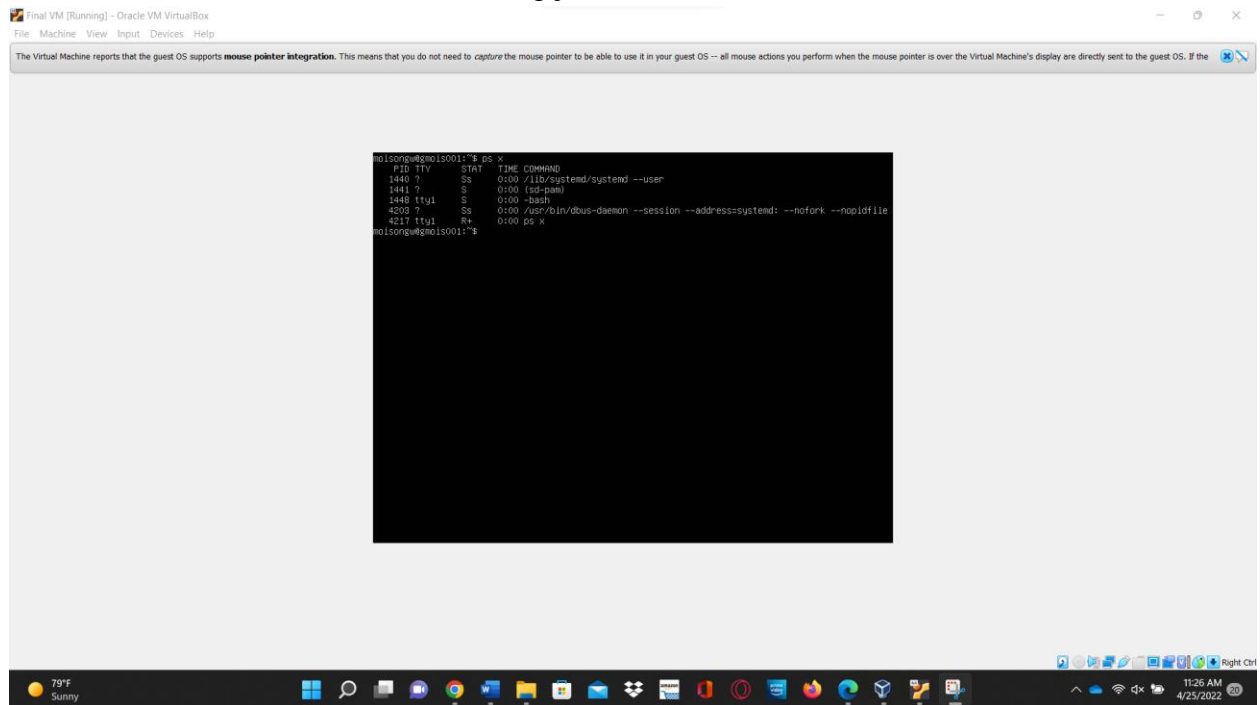
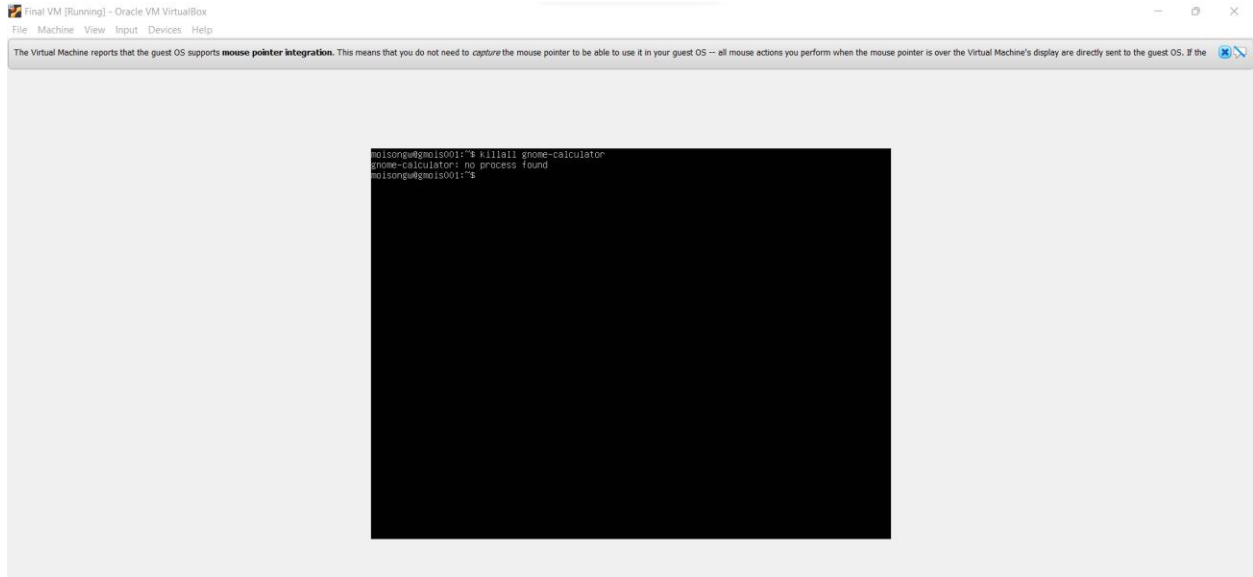5. While in the top command, display the help screen.

6. Quit the top command.

7. Execute the **gnome-calculator** program in the background.
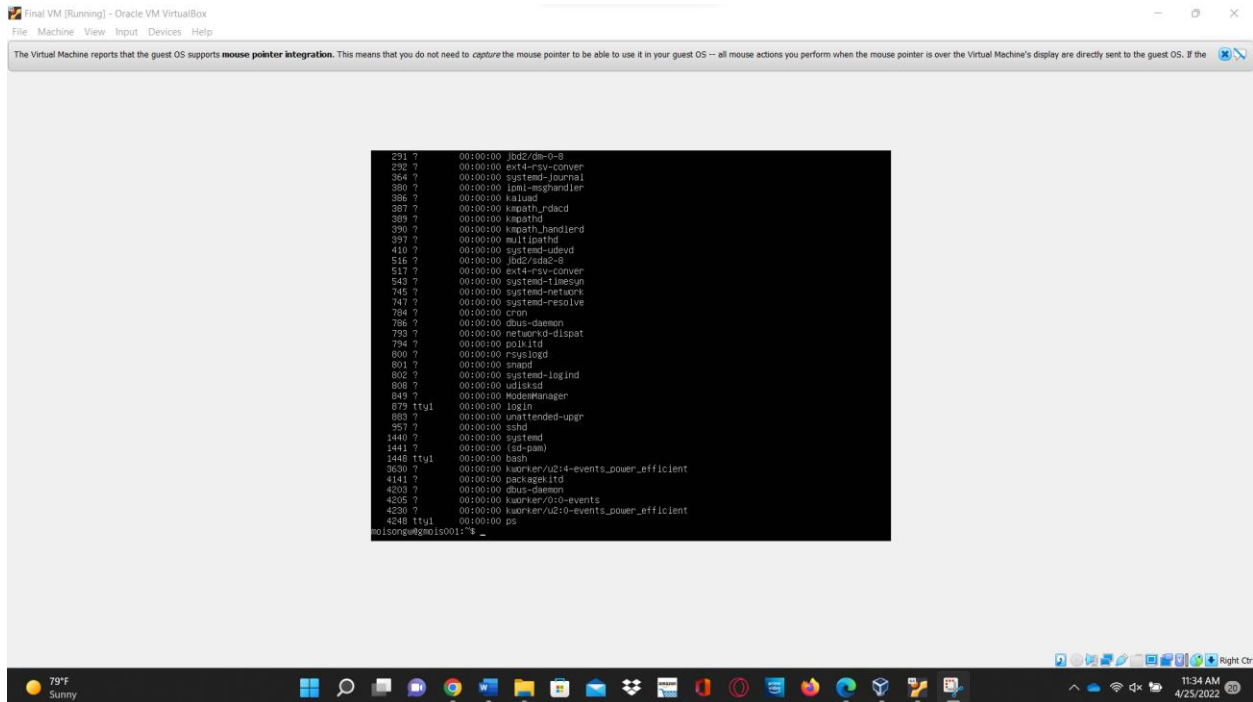

8. In the current shell, list all running jobs.

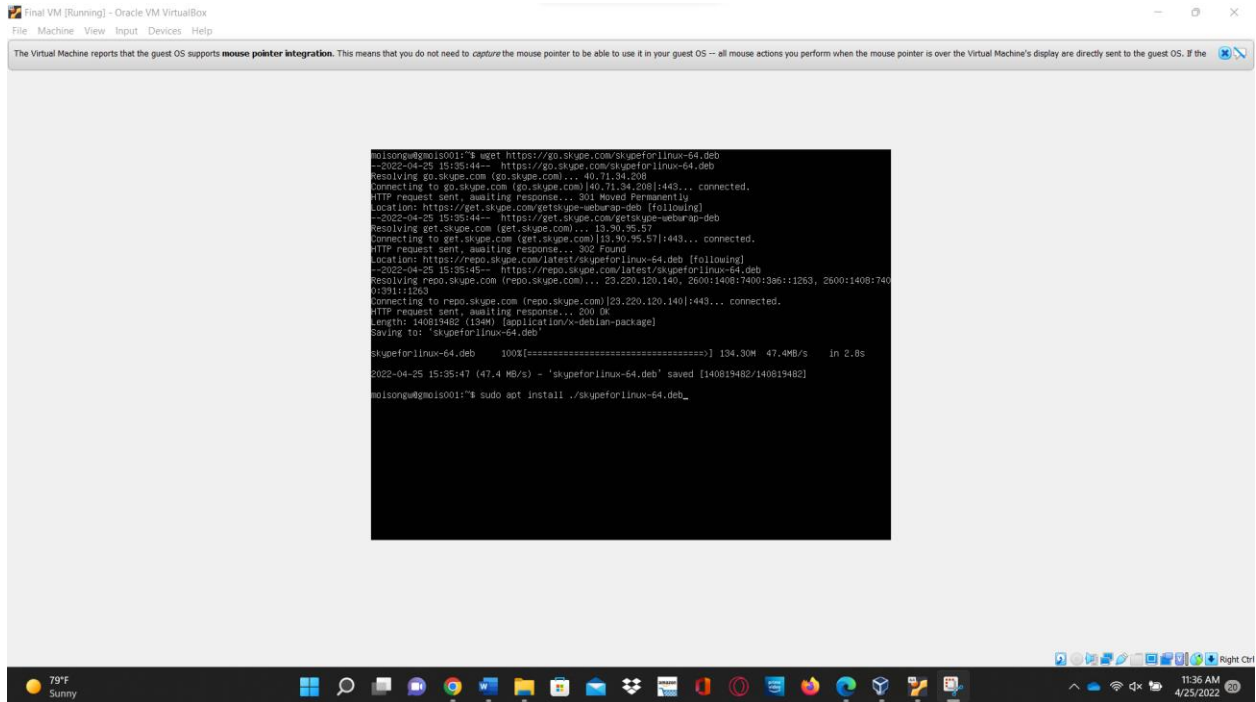9. Use the **killall** command to stop (kill) all instances of the gnome-calculator program.

Even after installing the gnome-calculator application on Linux, it would not start, so I could not terminate it.

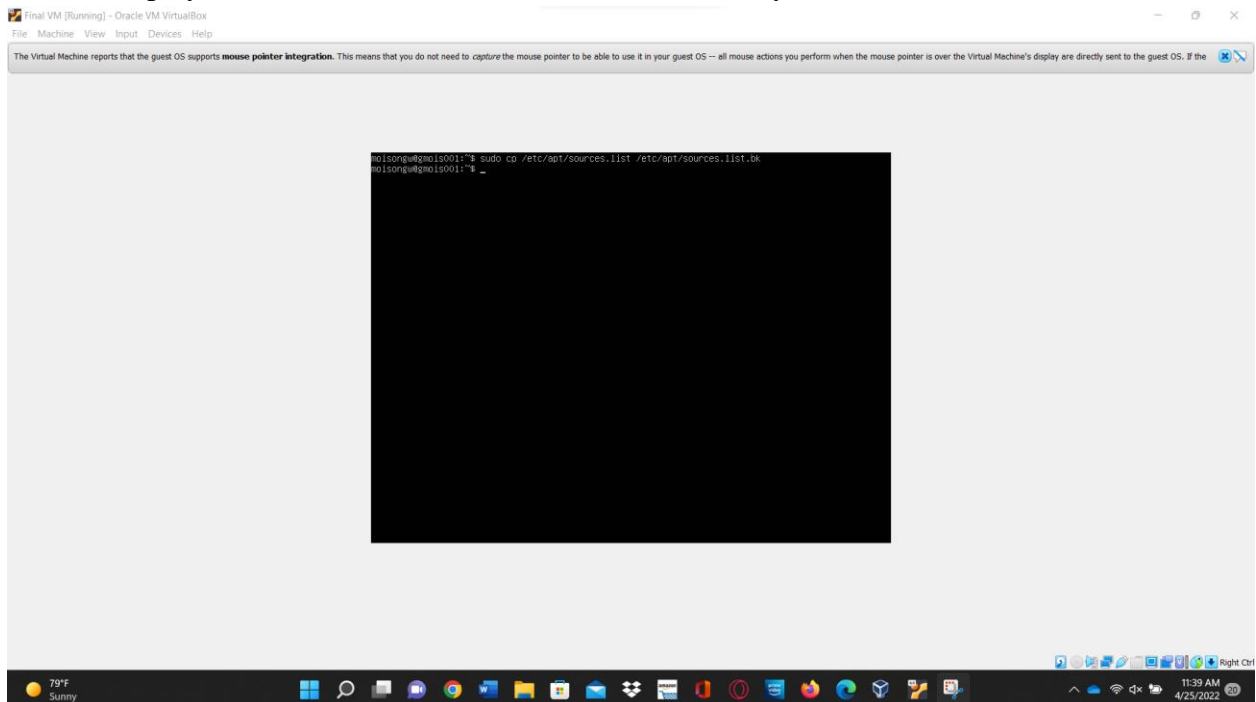10. In the current shell, use the **ps** command to list all running processes.

TASK B – PACKAGE INSTALLATION

1. **Download the installation package** (deb file) for skype in Linux and install it properly.

2. **Create a backup file** for the source.list named source.list.bk in your Linux system. Display the contents in both files, and make sure they are identical.

ORIGINAL


```
## distribution.
deb http://us.archive.ubuntu.com/ubuntu jammy-updates main restricted
# deb-src http://us.archive.ubuntu.com/ubuntu jammy-updates main restricted

## N.B. software from this repository is ENTIRELY UNSUPPORTED by the Ubuntu
## team. Also, please note that software in universe WILL NOT receive any
## review or updates from the Ubuntu security team.
deb http://us.archive.ubuntu.com/ubuntu jammy universe
# deb-src http://us.archive.ubuntu.com/ubuntu jammy universe
deb http://us.archive.ubuntu.com/ubuntu jammy-updates universe
# deb-src http://us.archive.ubuntu.com/ubuntu jammy-updates universe

## N.B. software from this repository is ENTIRELY UNSUPPORTED by the Ubuntu
## team, and may not be under a free licence. Please satisfy yourself as to
## your rights to use the software. Also, please note that software in
## multiverse WILL NOT receive any review or updates from the Ubuntu
## security team.
deb http://us.archive.ubuntu.com/ubuntu jammy multiverse
# deb-src http://us.archive.ubuntu.com/ubuntu jammy multiverse
deb http://us.archive.ubuntu.com/ubuntu jammy-updates multiverse
# deb-src http://us.archive.ubuntu.com/ubuntu jammy-updates multiverse

## N.B. software from this repository may not have been tested as
## extensively as that contained in the main release, although it includes
## newer versions of some applications which may provide useful features.
## Also, please note that software in backports WILL NOT receive any review
## or updates from the Ubuntu security team.
deb http://us.archive.ubuntu.com/ubuntu jammy-backports main restricted universe multiverse
# deb-src http://us.archive.ubuntu.com/ubuntu jammy-backports main restricted universe multiverse

deb http://us.archive.ubuntu.com/ubuntu jammy-security main restricted
# deb-src http://us.archive.ubuntu.com/ubuntu jammy-security main restricted
deb http://us.archive.ubuntu.com/ubuntu jammy-security universe
# deb-src http://us.archive.ubuntu.com/ubuntu jammy-security universe
deb http://us.archive.ubuntu.com/ubuntu jammy-security multiverse
# deb-src http://us.archive.ubuntu.com/ubuntu jammy-security multiverse
moisongu@gmois001:~$
```

BACKUP


```
## distribution.
deb http://us.archive.ubuntu.com/ubuntu jammy-updates main restricted
# deb-src http://us.archive.ubuntu.com/ubuntu jammy-updates main restricted

## N.B. software from this repository is ENTIRELY UNSUPPORTED by the Ubuntu
## team. Also, please note that software in universe WILL NOT receive any
## review or updates from the Ubuntu security team.
deb http://us.archive.ubuntu.com/ubuntu jammy universe
# deb-src http://us.archive.ubuntu.com/ubuntu jammy universe
deb http://us.archive.ubuntu.com/ubuntu jammy-updates universe
# deb-src http://us.archive.ubuntu.com/ubuntu jammy-updates universe

## N.B. software from this repository is ENTIRELY UNSUPPORTED by the Ubuntu
## team, and may not be under a free licence. Please satisfy yourself as to
## your rights to use the software. Also, please note that software in
## multiverse WILL NOT receive any review or updates from the Ubuntu
## security team.
deb http://us.archive.ubuntu.com/ubuntu jammy multiverse
# deb-src http://us.archive.ubuntu.com/ubuntu jammy multiverse
deb http://us.archive.ubuntu.com/ubuntu jammy-updates multiverse
# deb-src http://us.archive.ubuntu.com/ubuntu jammy-updates multiverse

## N.B. software from this repository may not have been tested as
## extensively as that contained in the main release, although it includes
## newer versions of some applications which may provide useful features.
## Also, please note that software in backports WILL NOT receive any review
## or updates from the Ubuntu security team.
deb http://us.archive.ubuntu.com/ubuntu jammy-backports main restricted universe multiverse
# deb-src http://us.archive.ubuntu.com/ubuntu jammy-backports main restricted universe multiverse

deb http://us.archive.ubuntu.com/ubuntu jammy-security main restricted
# deb-src http://us.archive.ubuntu.com/ubuntu jammy-security main restricted
deb http://us.archive.ubuntu.com/ubuntu jammy-security universe
# deb-src http://us.archive.ubuntu.com/ubuntu jammy-security universe
deb http://us.archive.ubuntu.com/ubuntu jammy-security multiverse
# deb-src http://us.archive.ubuntu.com/ubuntu jammy-security multiverse
moisongu@gmois001:~$ _
```
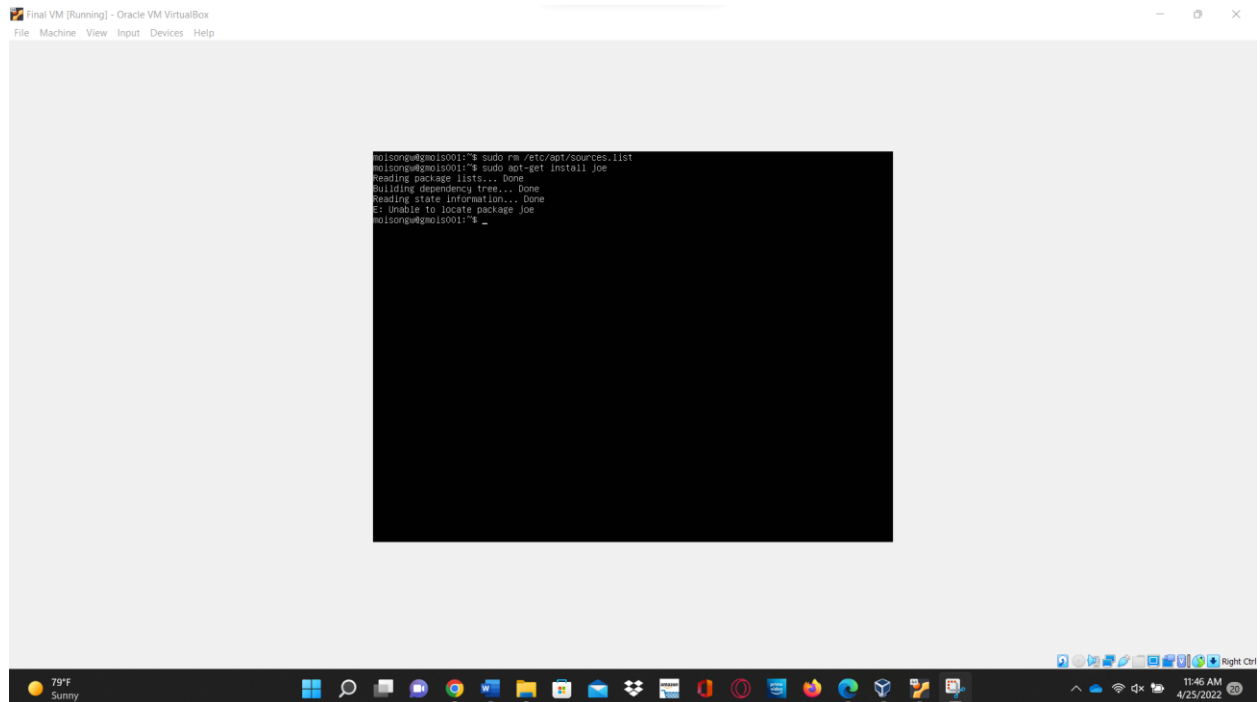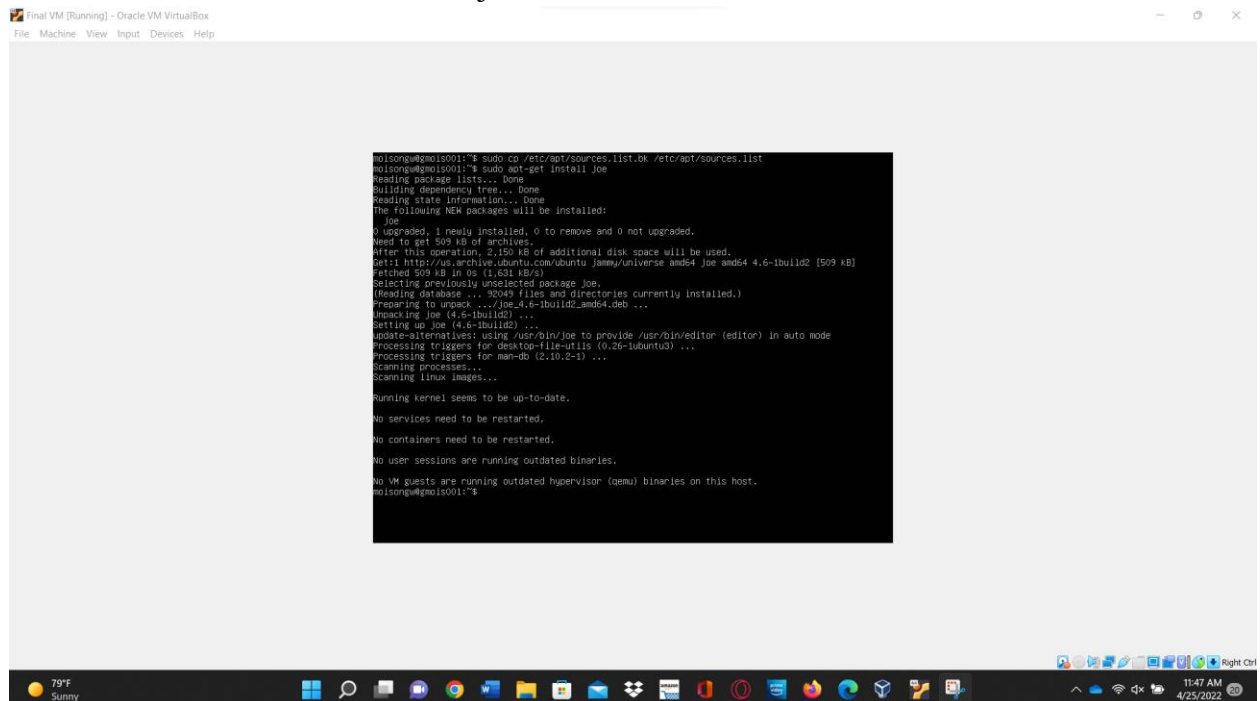
3. **Delete everything in the source.list file**. Now try to download the package "joe" by using apt get install command. What error do you see?

4. **Recover the sources.**list from the backup file, then try to download the "joe" file again. You should be able to install joe this time.

5. Install and play the "sl" command.

6. Install and play the "cowsay" command.

7. Install and play the "cmatrix" command.