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Professor Vatsa CYSE 270

4/23/2023

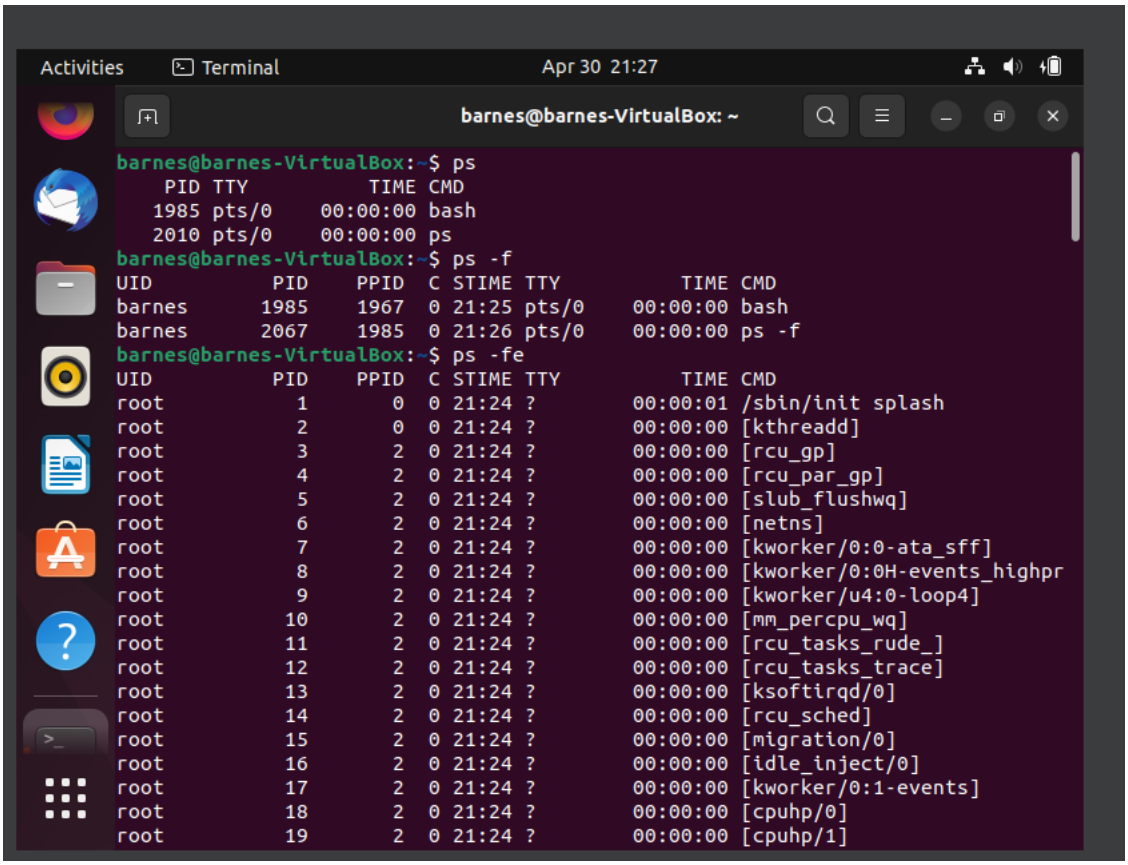
Process Control: Lab 13 System Admin

Task A: **Managing System Processes**

Step 1. Open the terminal in your VM.

Step 2. List the processes that are running in the current shell.

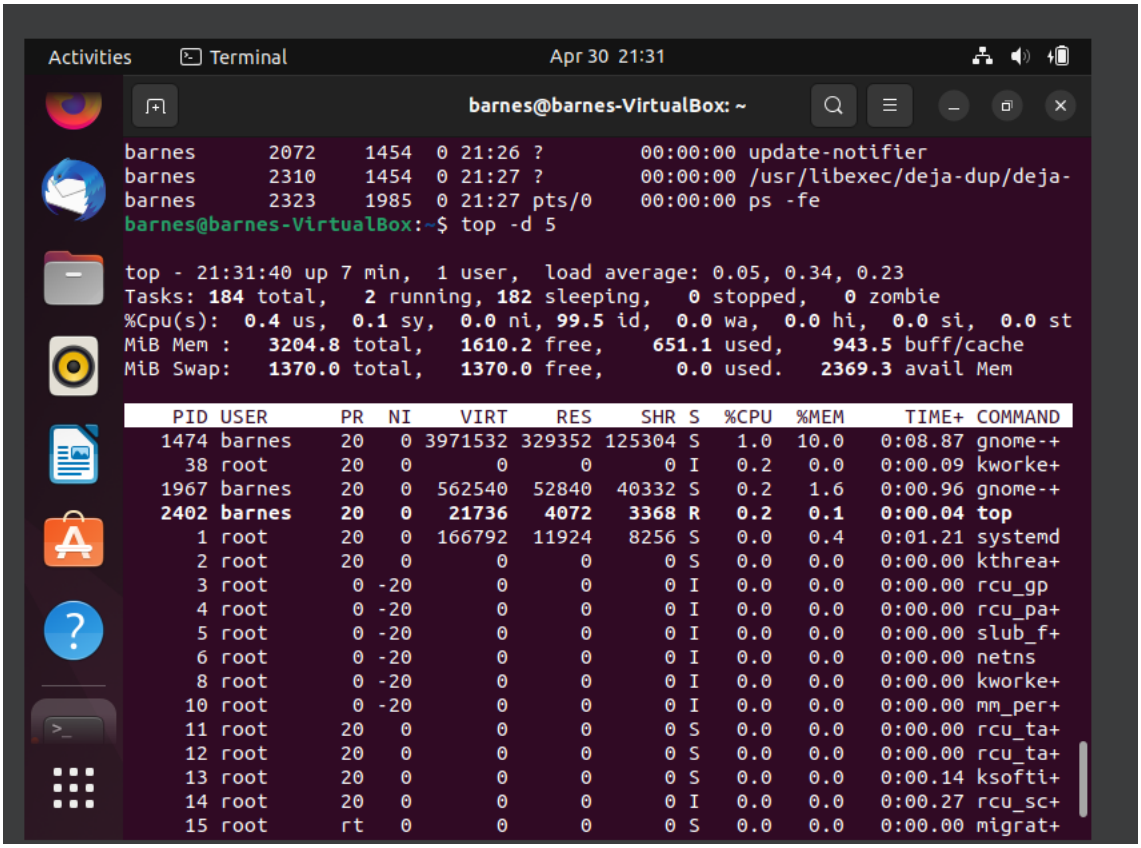
Step 3. List all processes that are running on this system.

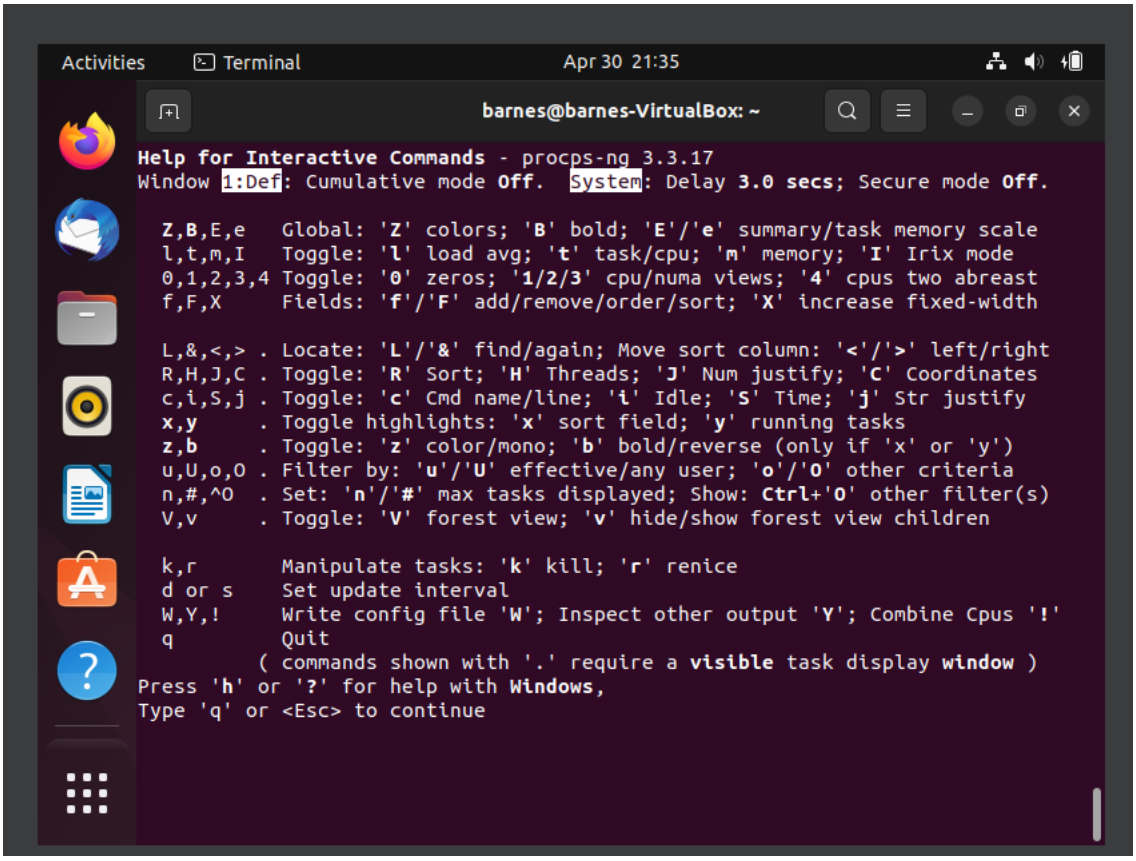


Step 4: Display all processes that are running by using the top command. (Keep this command running for the next few steps.)

Step 5: While in the top command, display the help screen.

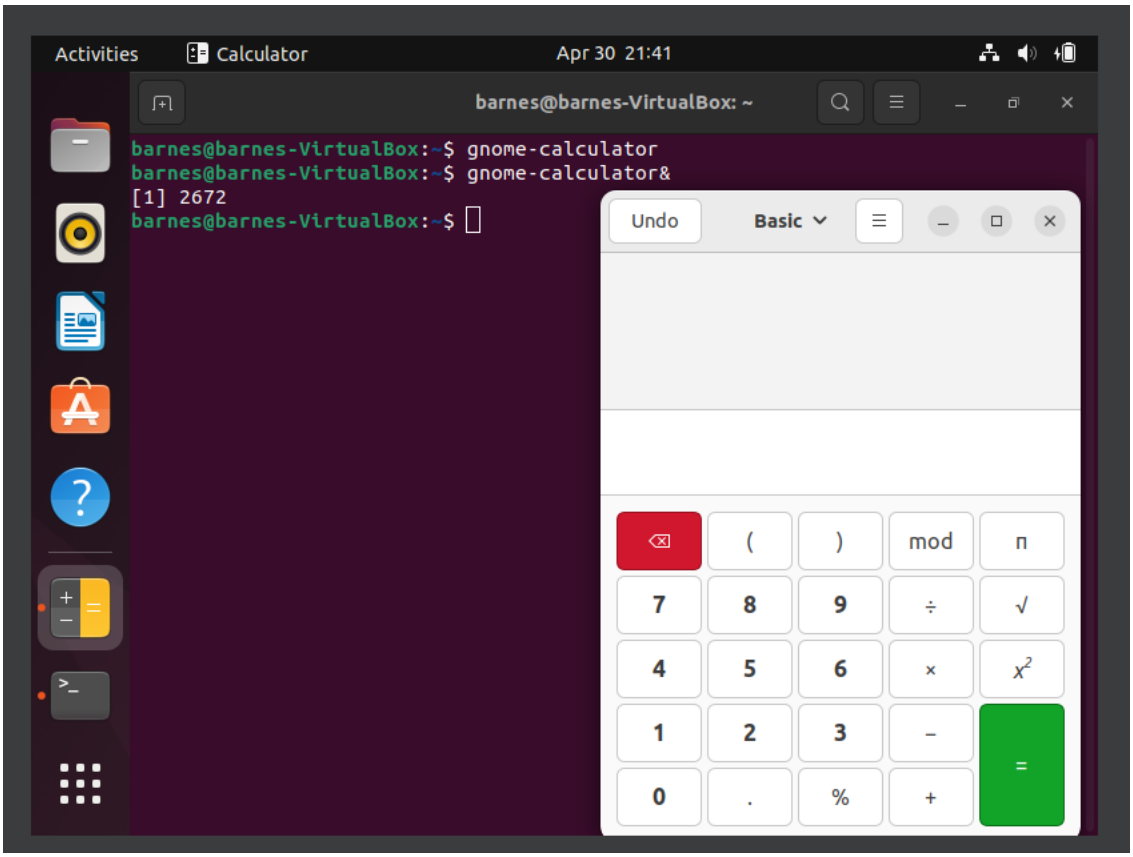
Step 6: Quit the top command.



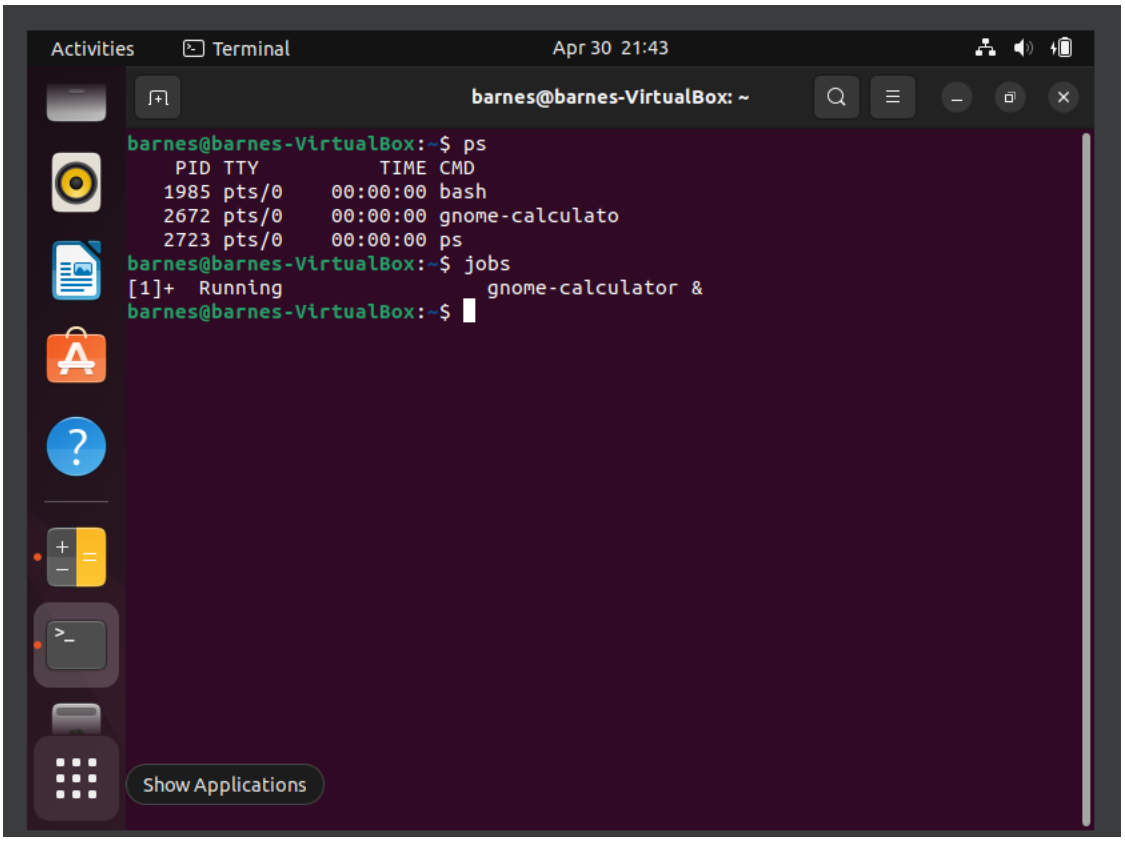


Command q to quit top command.

Step 7: Execute the gnome-calculator program in the background.

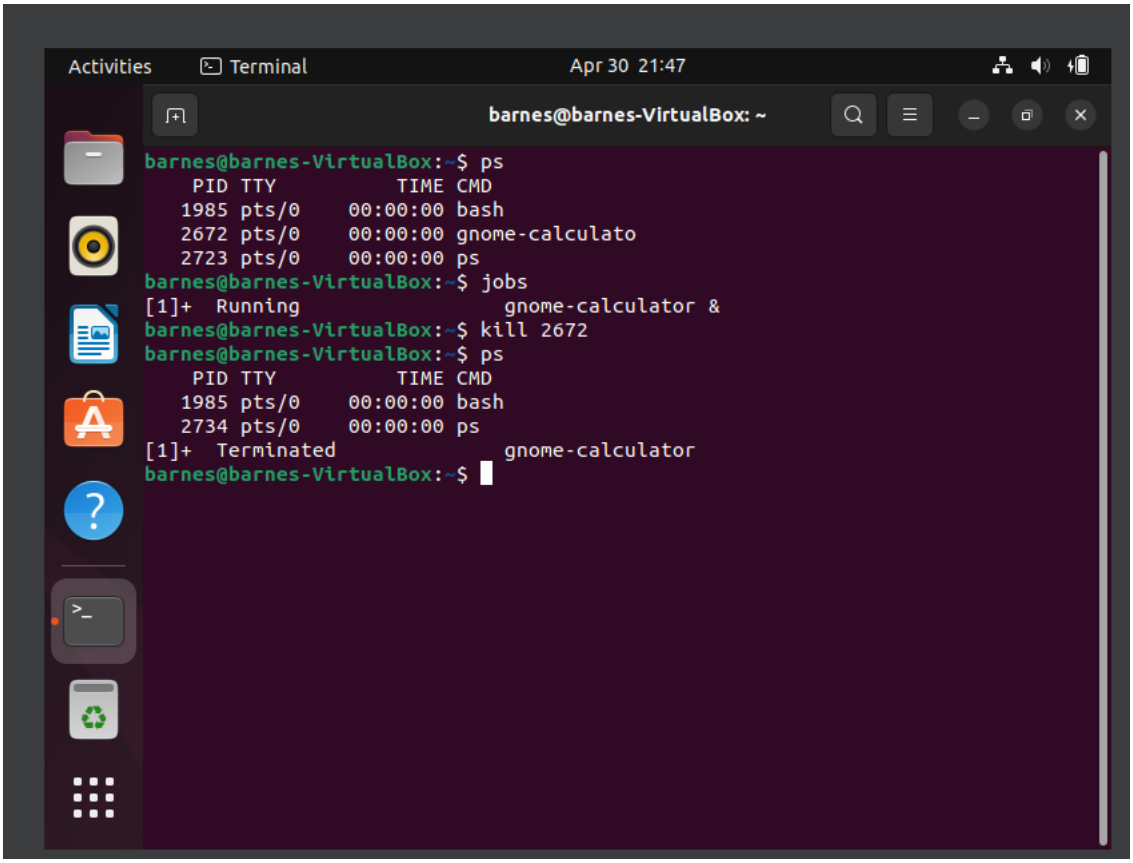


Step 8: In the current shell, list all running jobs.



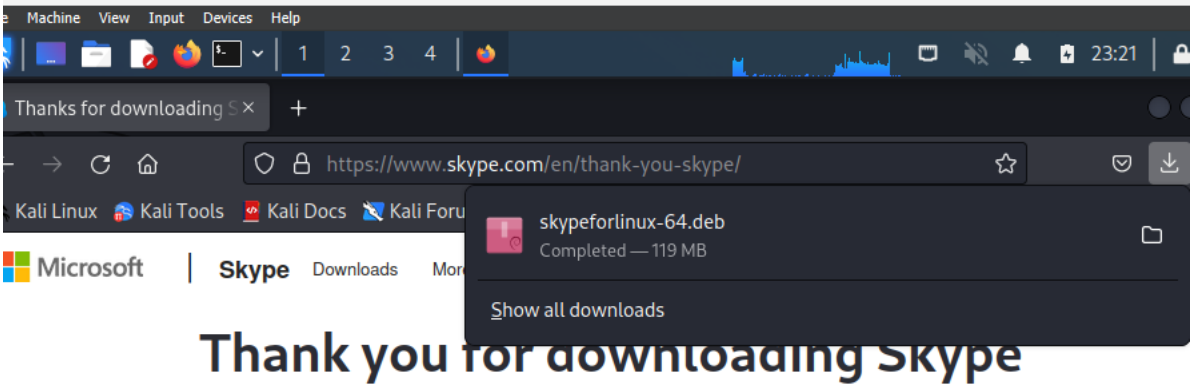
step-9: Use the killall command to stop (kill) all instances of the gnome-calculator program.

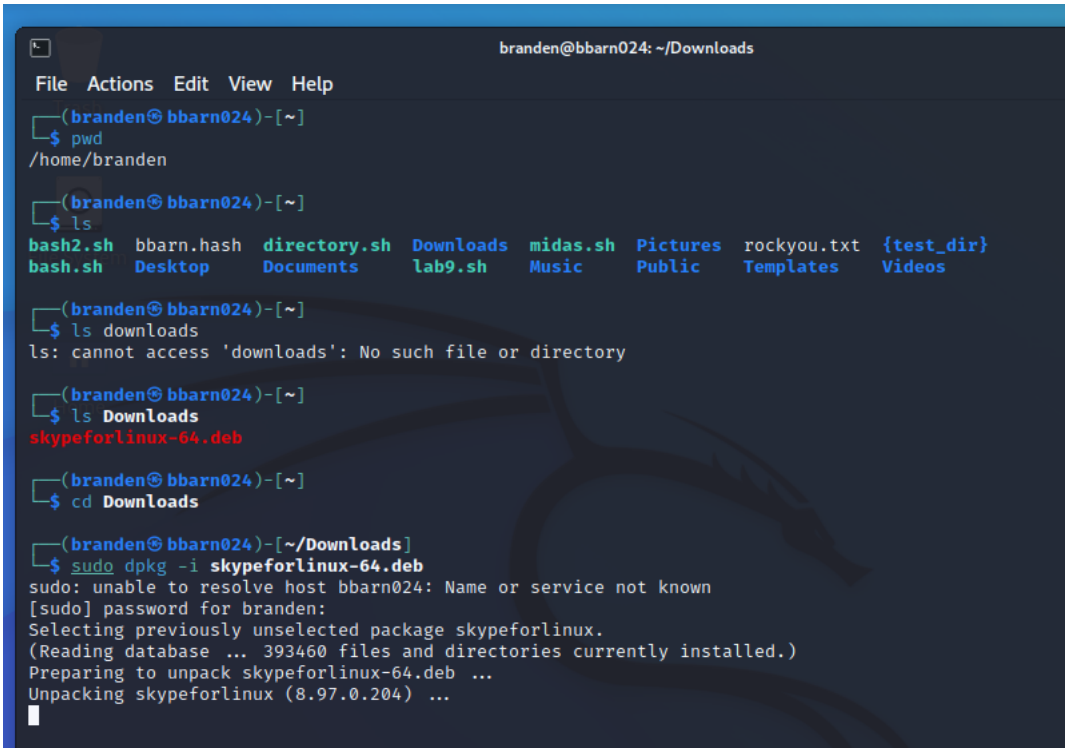
Step 10. In the current shell, use the ps command to list all running processes.



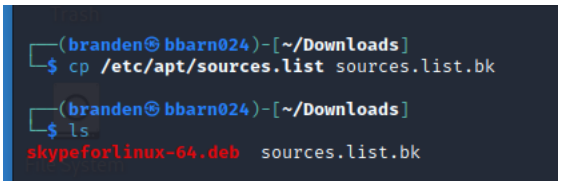
Task B: **Package Installation**

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

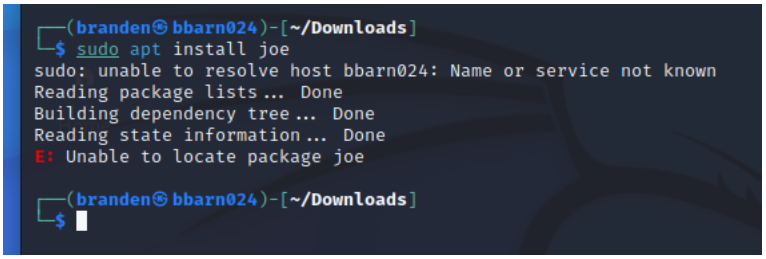




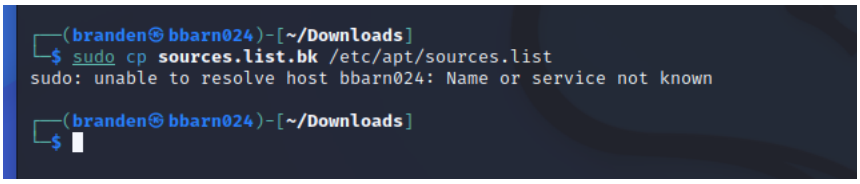
Step 2. Create a backup file for the sources.list named source.list.bk in your Linux system. Display the contents in both files, and make sure they are identical.

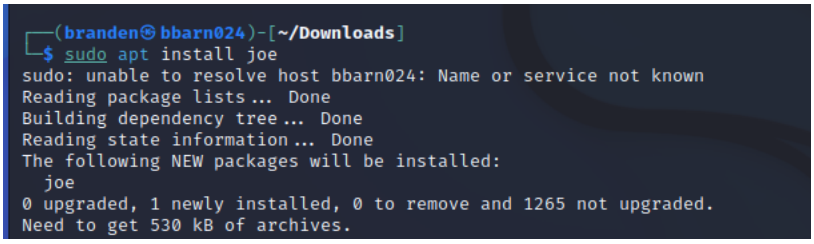


Step 3. Delete everything in the source.list file. Now try to download the package “joe” by using apt get install command. What error do you see?

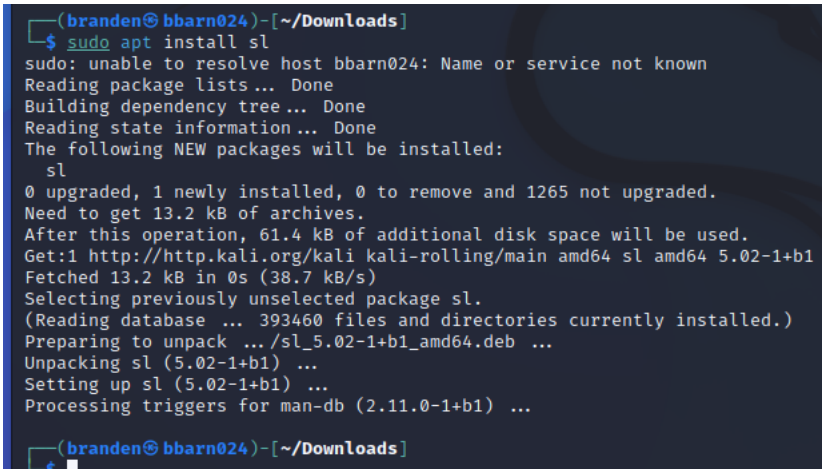


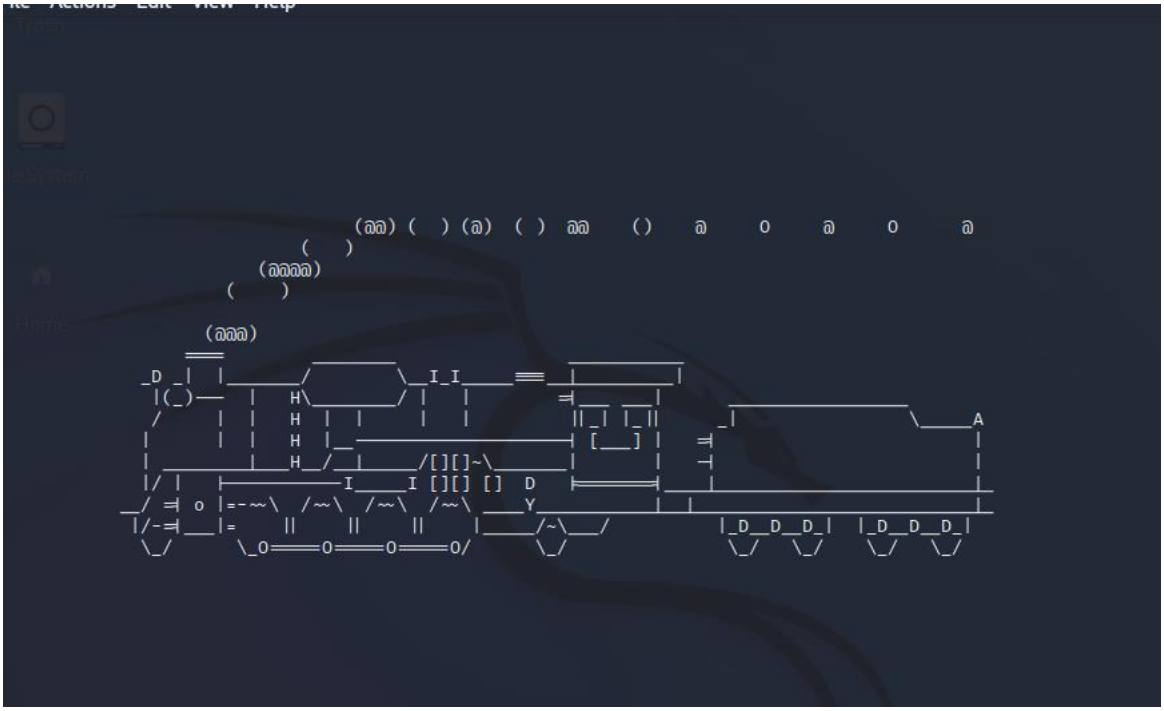
Step 4. Recover the sources.list from the backup file, then try to download the “joe” file again. You should be able to install joe this time.





Step 5. Install and play the “sl” command.



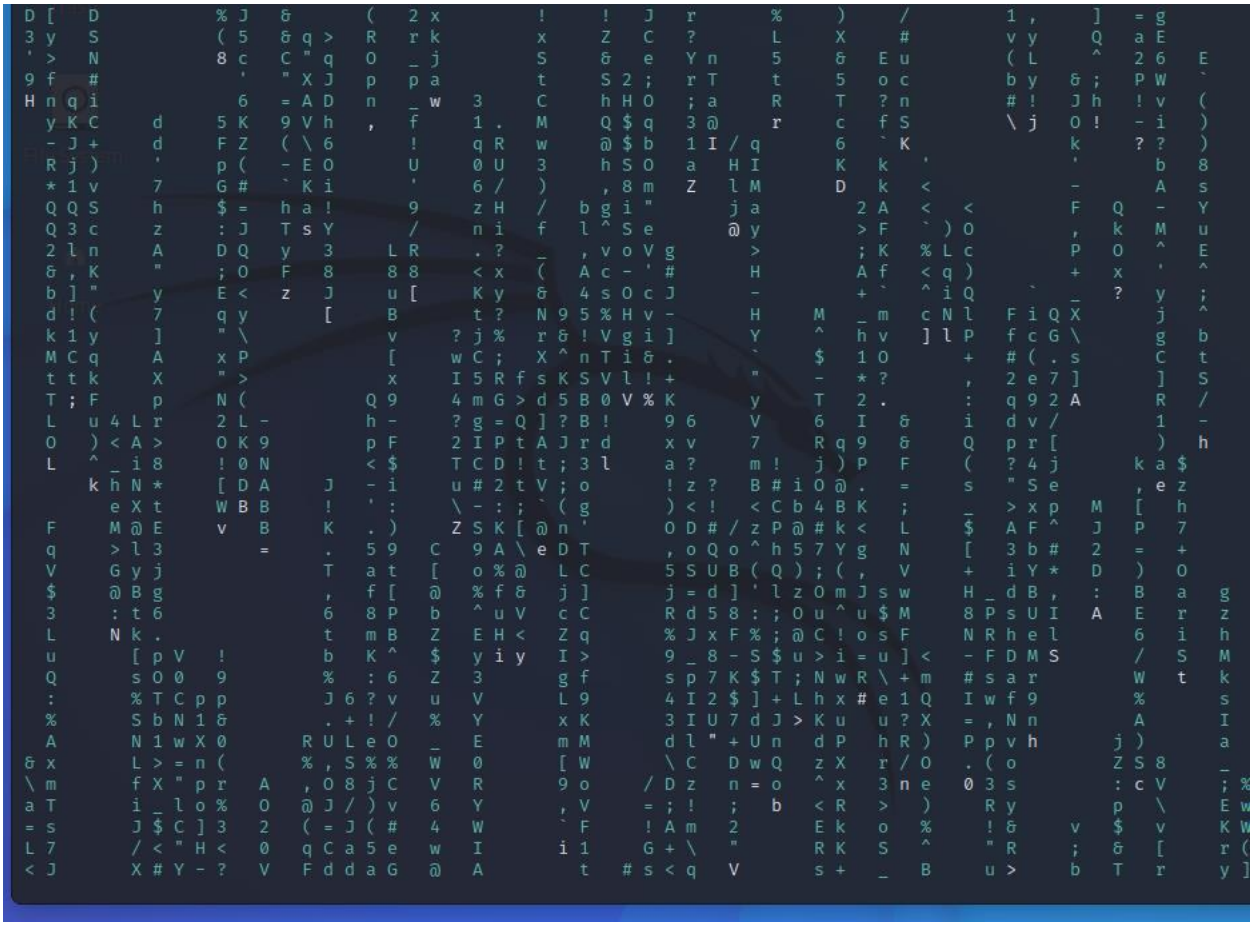


Step 6. Install and play the “cowsay” command.

```
┌──(branden㉿bbarn024)-[~/Downloads]
└─$ sudo apt install cowsay
sudo: unable to resolve host bbarn024: Name or service not known
Reading package lists ... Done
Building dependency tree ... Done
Reading state information ... Done
Suggested packages:
  filters cowsay-off
The following NEW packages will be installed:
  cowsay
0 upgraded, 1 newly installed, 0 to remove and 1265 not upgraded.
Need to get 21.4 kB of archives.
After this operation, 94.2 kB of additional disk space will be used.
Get:1 http://http.kali.org/kali kali-rolling/main amd64 cowsay all 3.03+dfsg2-8 [21.4 kB]
Fetched 21.4 kB in 0s (56.0 kB/s)
Selecting previously unselected package cowsay.
(Reading database ... 393484 files and directories currently installed.)
Preparing to unpack .../cowsay_3.03+dfsg2-8_all.deb ...
Unpacking cowsay (3.03+dfsg2-8) ...
Setting up cowsay (3.03+dfsg2-8) ...
Processing triggers for man-db (2.11.0-1+b1) ...

┌──(branden㉿bbarn024)-[~/Downloads]
└─$
```

```
┌──(branden㉿bbarn024)-[~/Downloads]
└─$ cowsay hey
 _____
< hey >
 -----
        \   ^__^
         \  (oo)\_______
            (__)\       )\/\
                ||----w |
                ||     ||
```

Step 7. Install and play the “cmatrix” command.

```
┌──(branden㉿bbarn024)-[~/Downloads]
└─$ sudo apt install cmatrix
sudo: unable to resolve host bbarn024: Name or service not known
Reading package lists ... Done
Building dependency tree ... Done
Reading state information ... Done
Suggested packages:
  cmatrix-xfont
The following NEW packages will be installed:
  cmatrix
0 upgraded, 1 newly installed, 0 to remove and 1265 not upgraded.
Need to get 17.5 kB of archives.
After this operation, 53.2 kB of additional disk space will be used.
Get:1 http://mirrors.jevincanders.net/kali kali-rolling/main amd64 cmatrix amd64 2.0-3 [17.5 kB]
Fetched 17.5 kB in 0s (50.6 kB/s)
Selecting previously unselected package cmatrix.
(Reading database ... 393545 files and directories currently installed.)
Preparing to unpack .../cmatrix_2.0-3_amd64.deb ...
Unpacking cmatrix (2.0-3) ...
Setting up cmatrix (2.0-3) ...
Processing triggers for mailcap (3.70+nmu1) ...
Processing triggers for kali-menu (2022.4.1) ...
Processing triggers for desktop-file-utils (0.26-1) ...
Processing triggers for man-db (2.11.0-1+b1) ...

┌──(branden㉿bbarn024)-[~/Downloads]
└─$
```