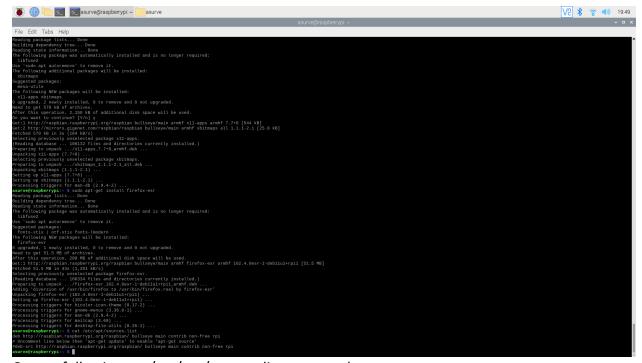
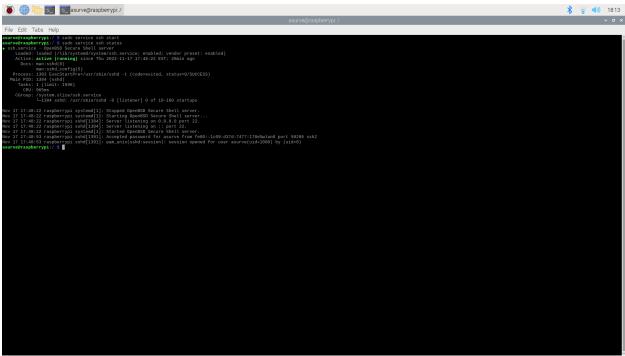
Arnav Surve CNIT 176 Lab 10 11/2/2022

Output following

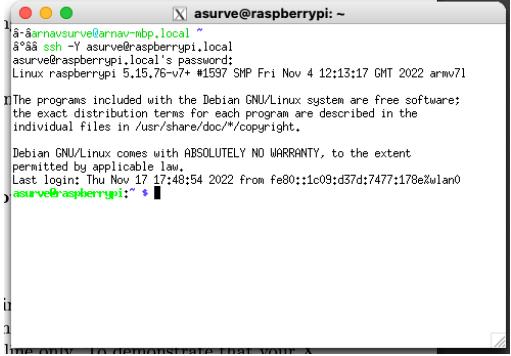
```
sudo apt-get update
sudo apt-get upgrade
sudo apt-get dist-upgrade
sudo apt-get install x11-apps
sudo apt-get install firefox-esr
```



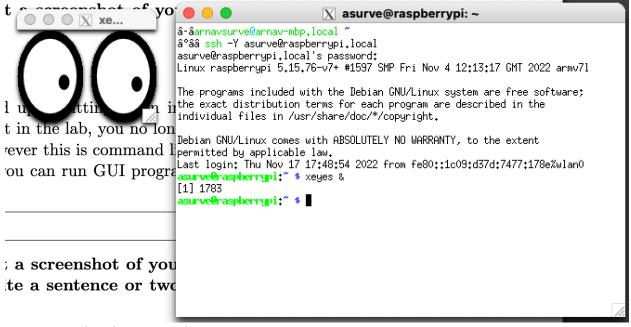
Output following cat /etc/apt/sources.list command



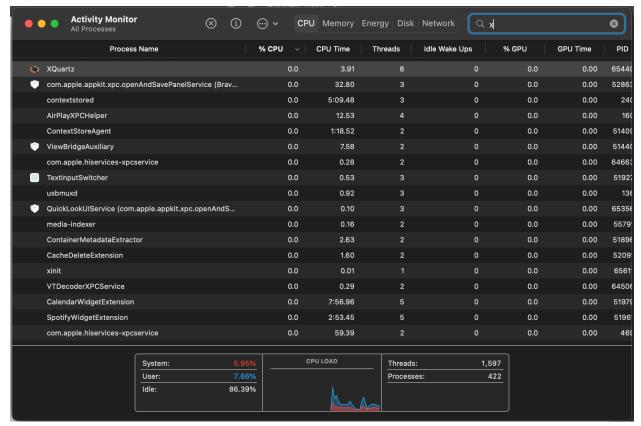
Output following sudo service ssh start & sudo service ssh status commands



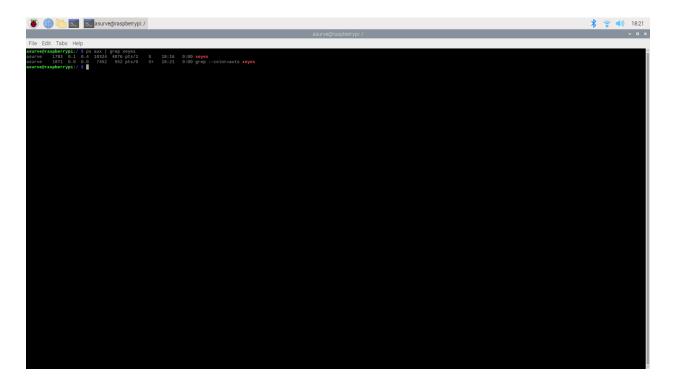
Creating connection with X-server with X11 forwarding



X11 terminal and xeyes application.

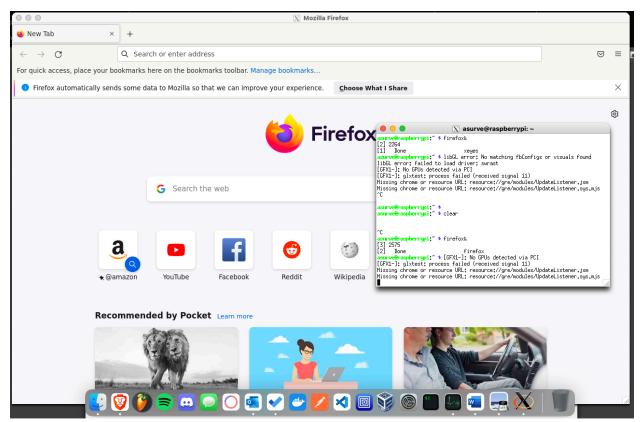


Activity monitor on my personal computer; the only process related to xeyes executing is XQuartz



Result of running ps aux | grep xeyes on raspberry pi. We can see that the xeyes process is originally running on the raspberry pi but is able to be displayed on my personal computer through XQuartz.

The xeyes application seems to display a pair of eyes that track the desktop cursor. Xeyes is executing on the raspberry pi, so the only process required to run on my personal computer is the XQuartz terminal.



Firefox ESR application displaying on personal computer, running through XQuartz

The taskbar does not show that Firefox is running because it is not natively running on my computer, instead the Firefox process running on my raspberry pi is being virtualized to be used on my computer. At the end of the xeyes and firefox commands, the '&' character indicated to keep the terminal available for additional commands after launching the X11 application.

Bonus question:

Client	Server	Server
Windows laptop	Raspberry Pi	Linux Apache Web Server
Broadcast on port 80	Port 80 forwarded to Pi	Listening on port 80