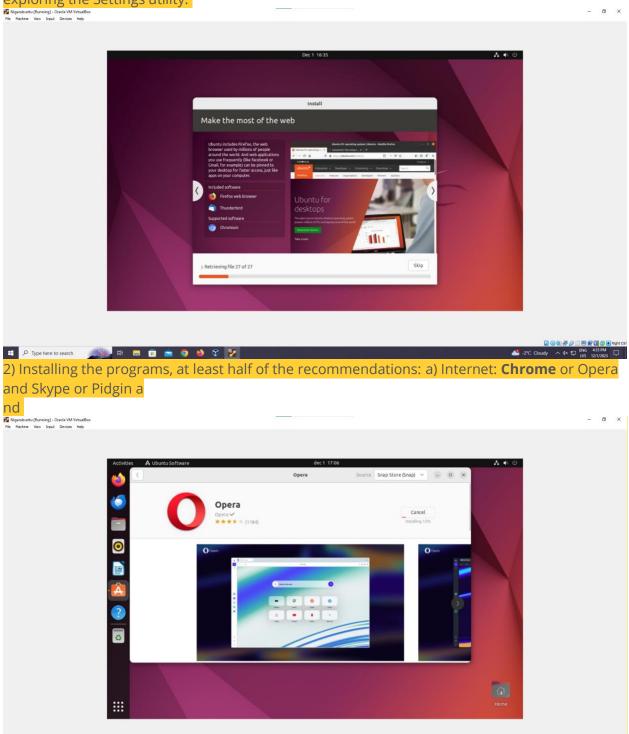
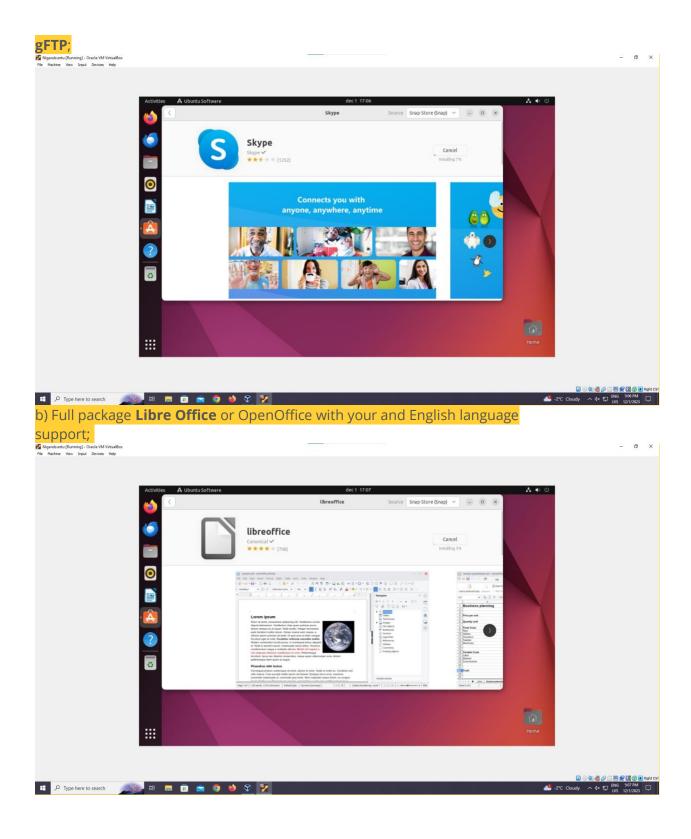
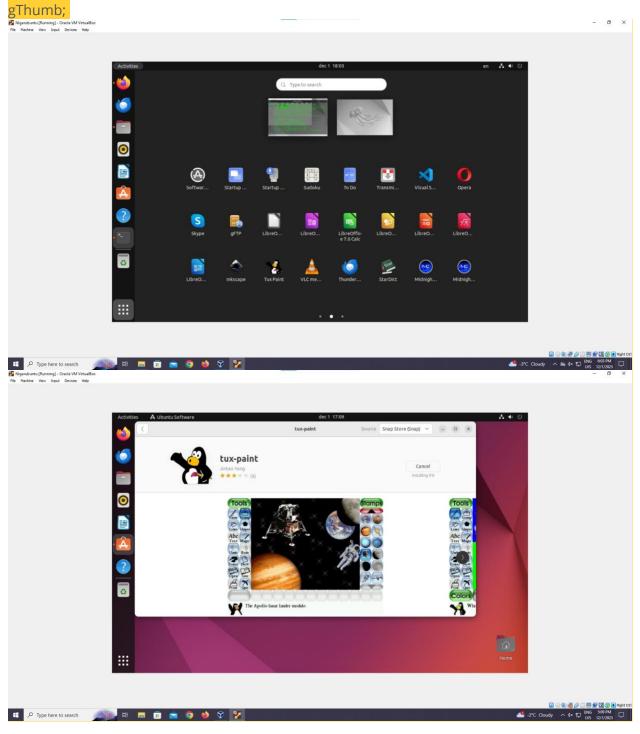
1) Installing **Ubuntu** (or Xubuntu on a low power PC) **22.04 LTS**, 20.04 LTS or similar, updating, exploring the Settings utility.

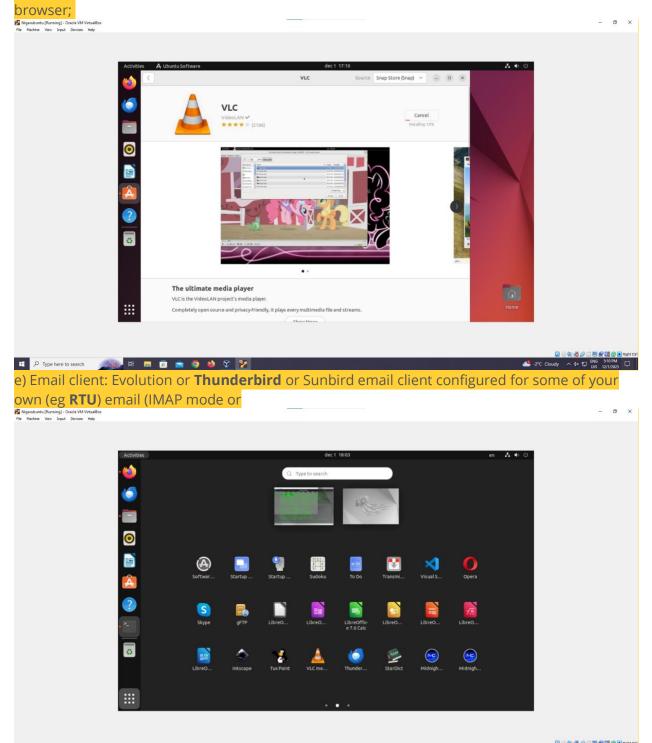


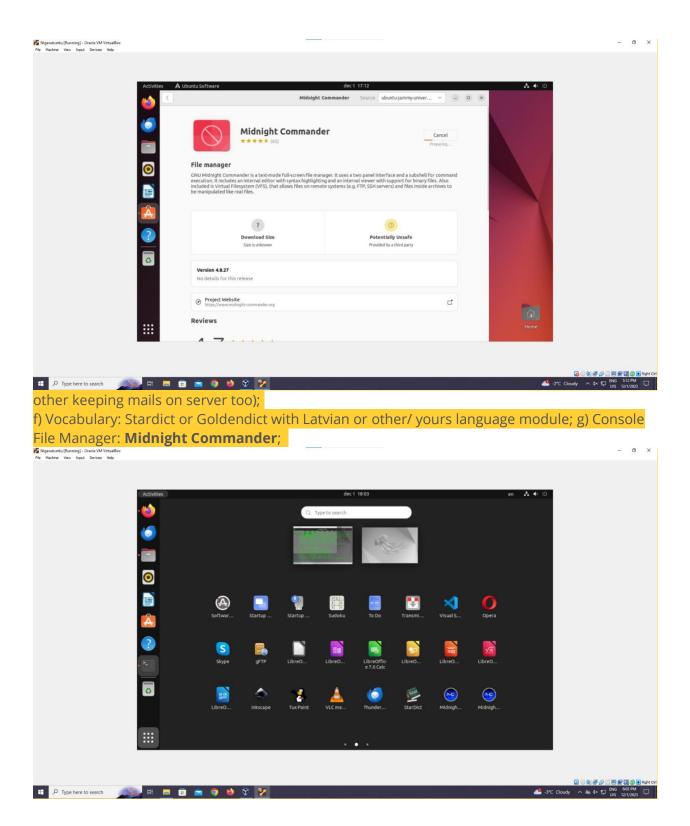


c) Graphics: **Gimp** and Inkscape, and **Tux Paint**, and

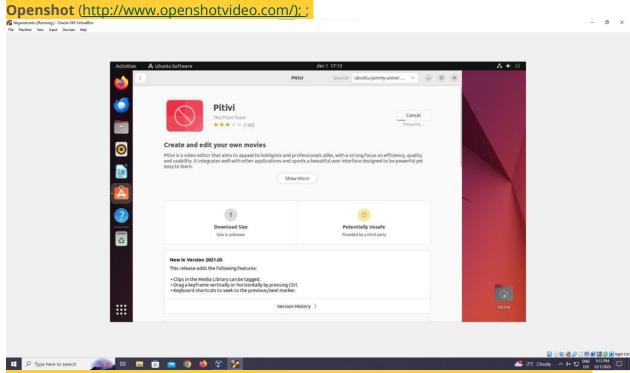


d) Multimedia: **VLC** player (and Flash plugin) for

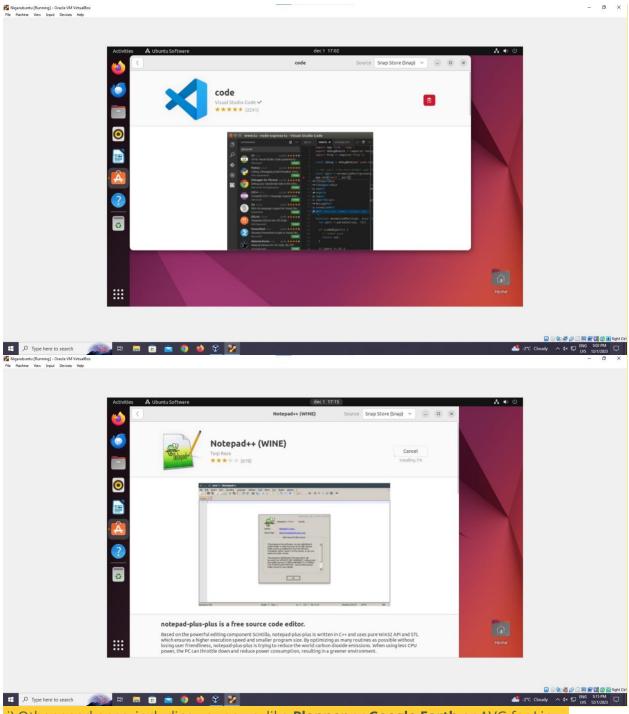




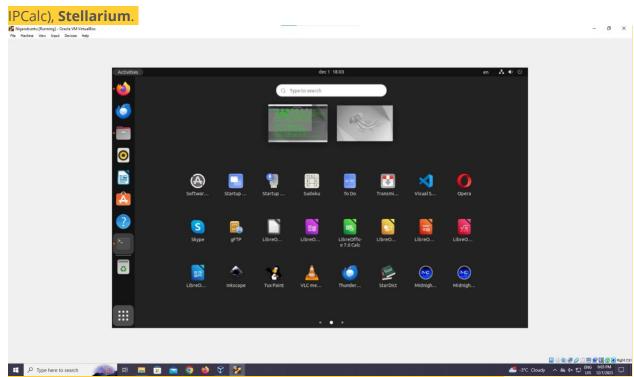
h) Video Processing: Pitivi or



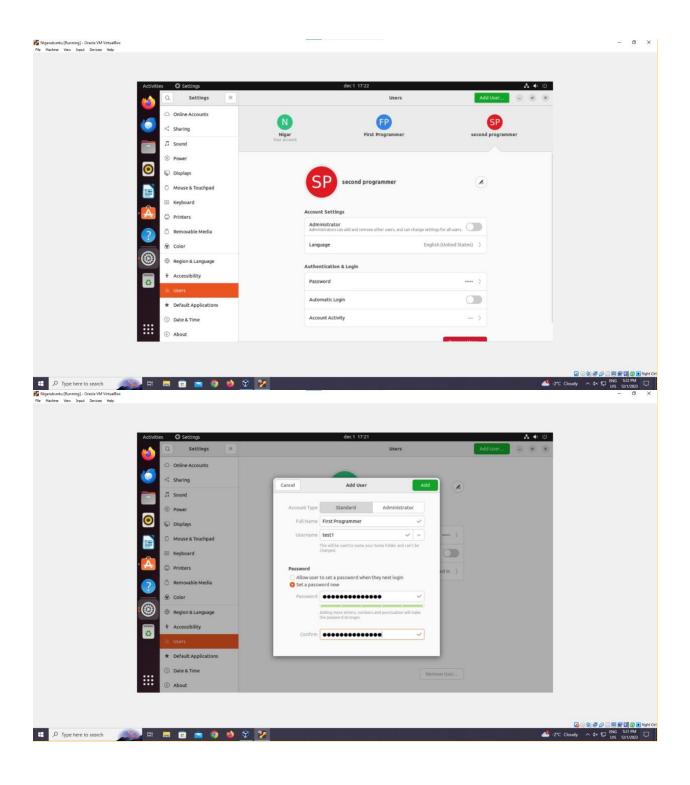
i) Programming: Visual Studio Code, Atom, Bluefish or NVU or KompoZer or Notepad++;

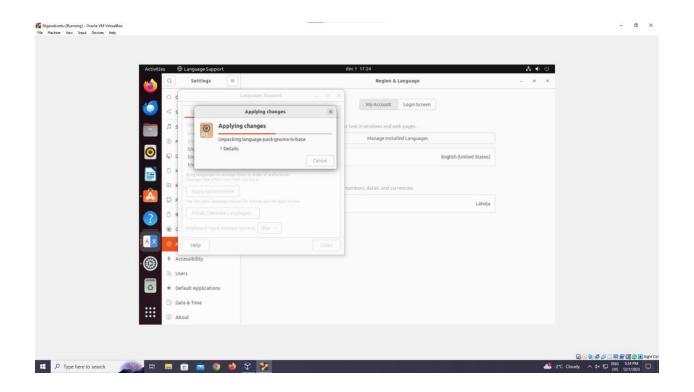


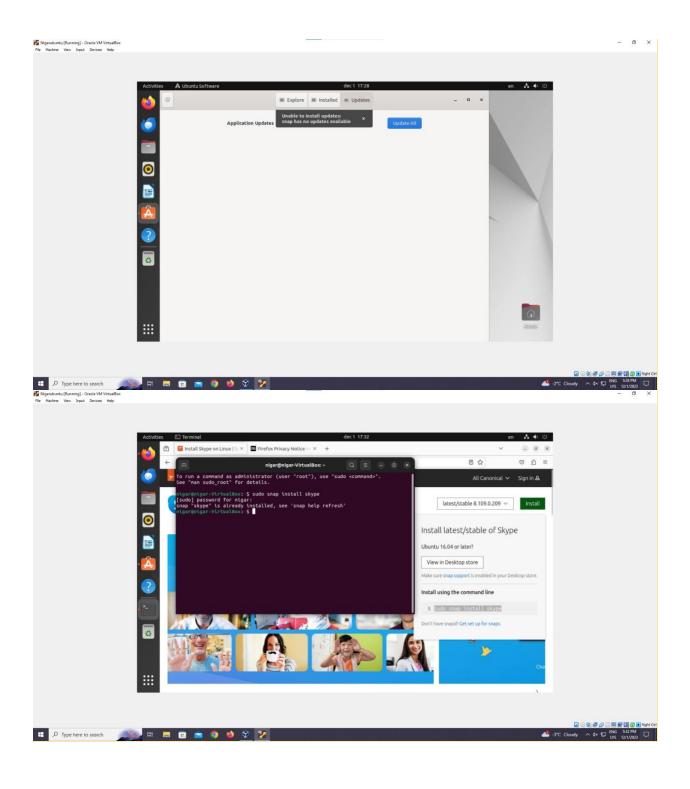
j) Other good ones, including your own, like **Planner** or **Google Earth** or AVG for Linux or **ClamAV**, **Wine** (with 3Com

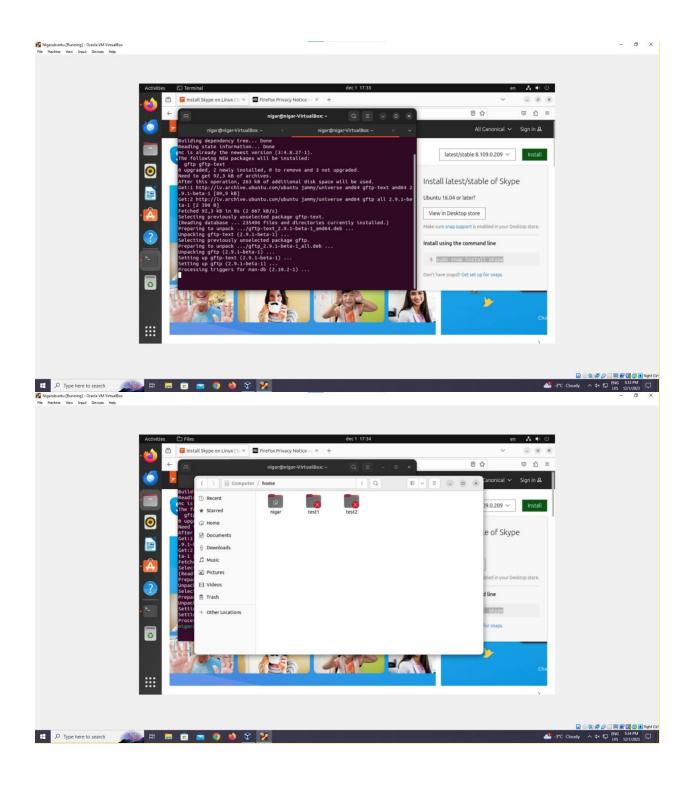


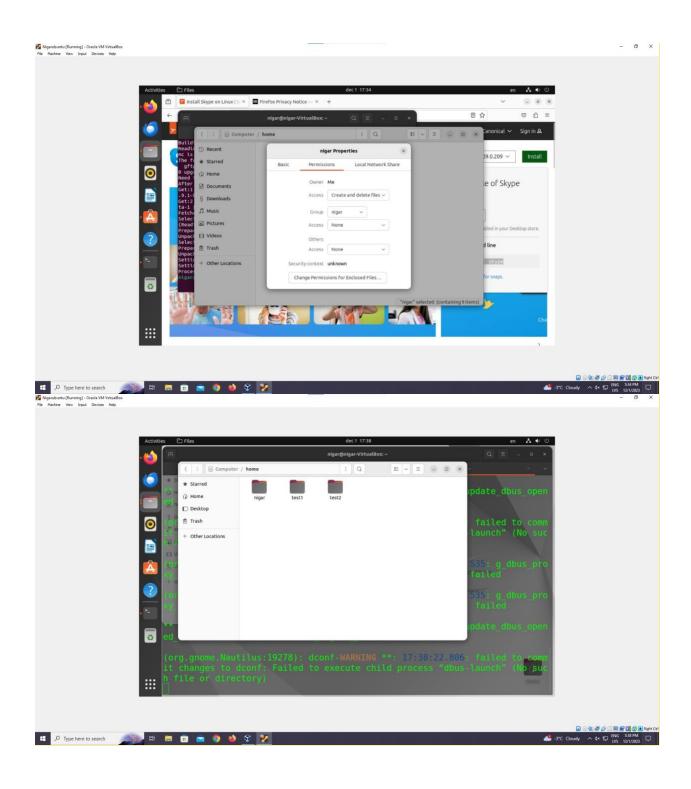
3) Create a couple of new users with isolated home folders (others none access).

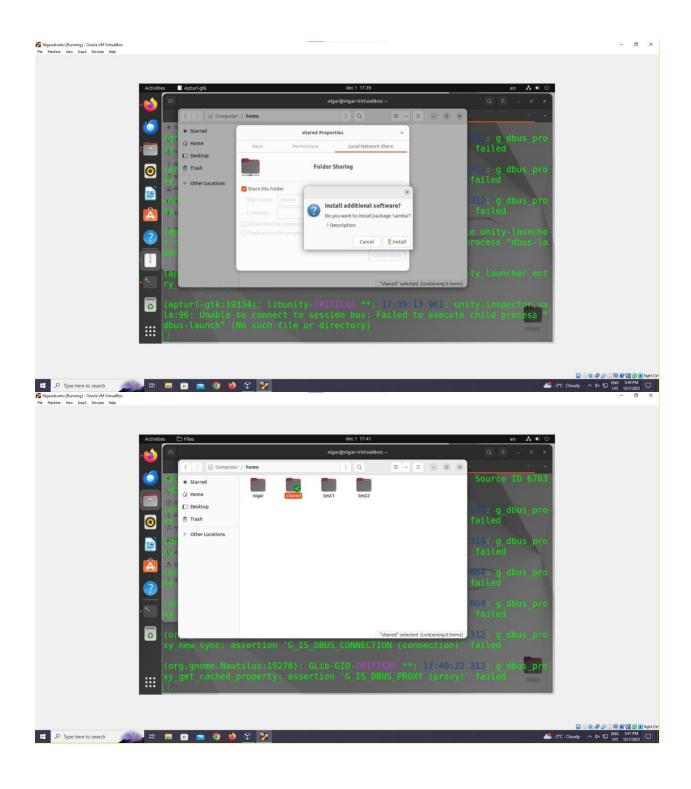


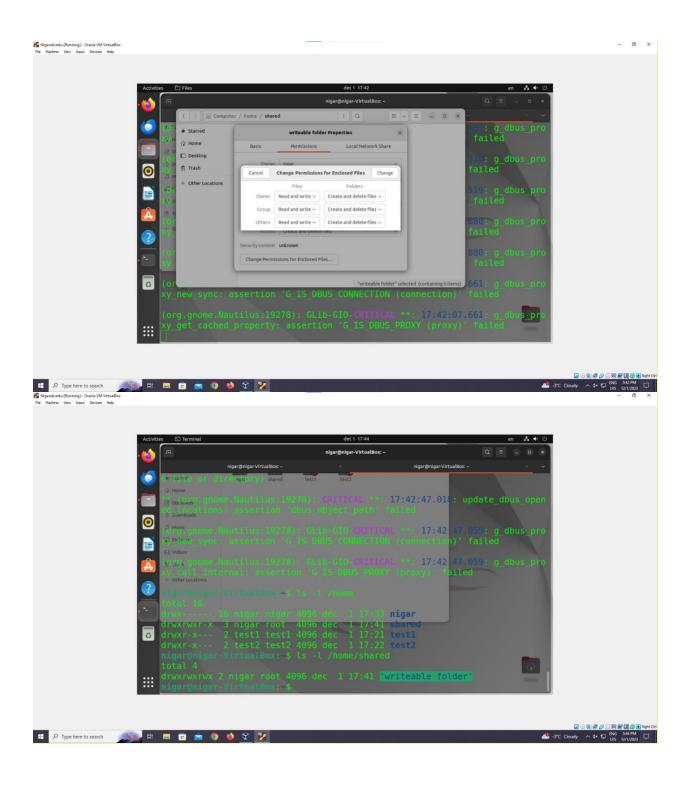


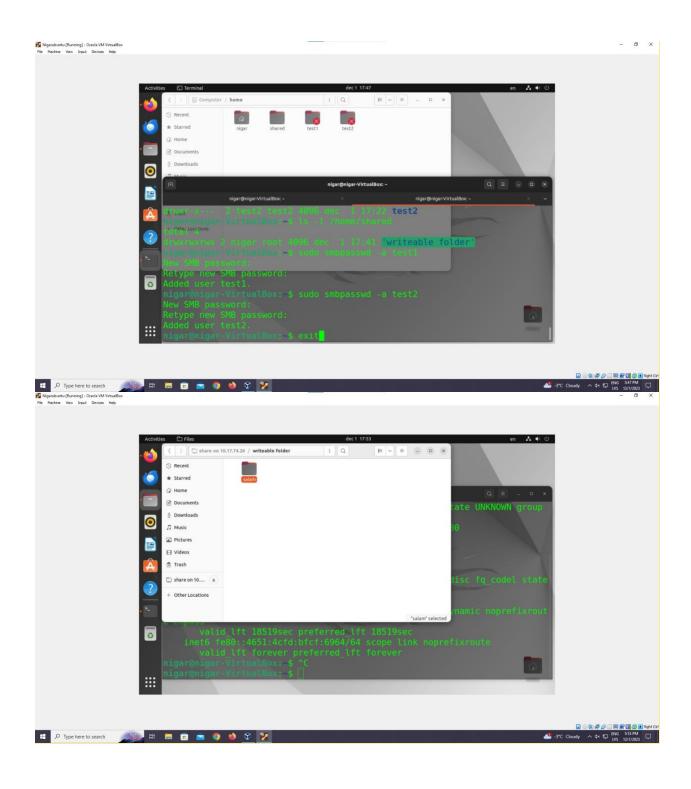


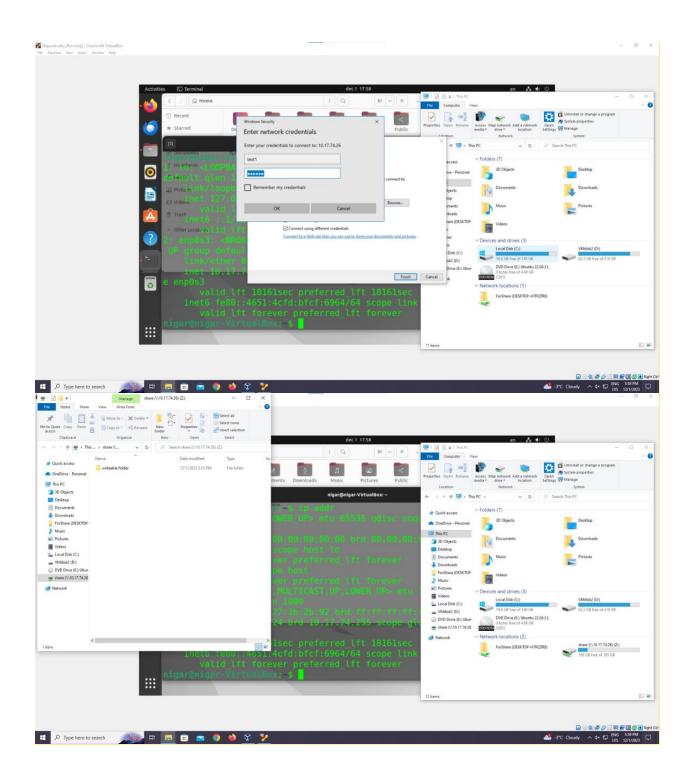


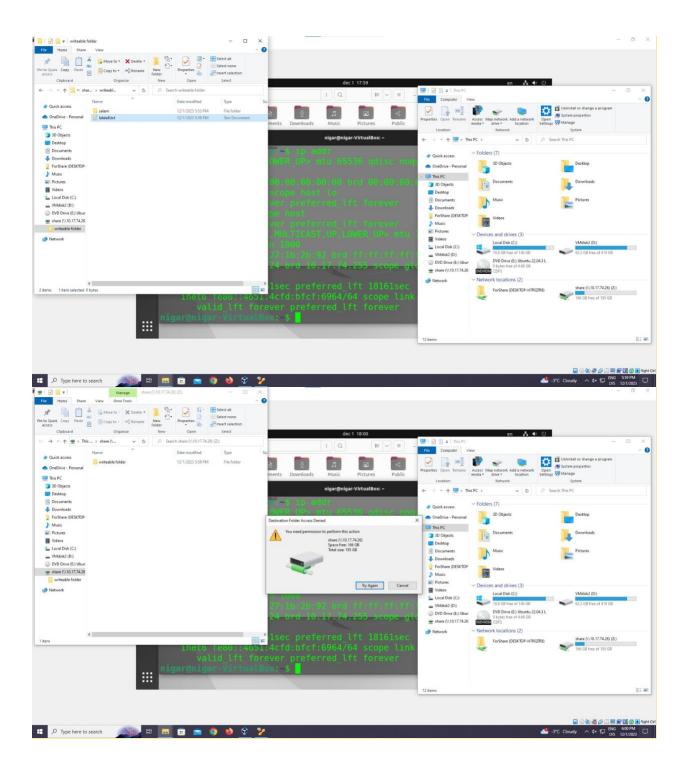


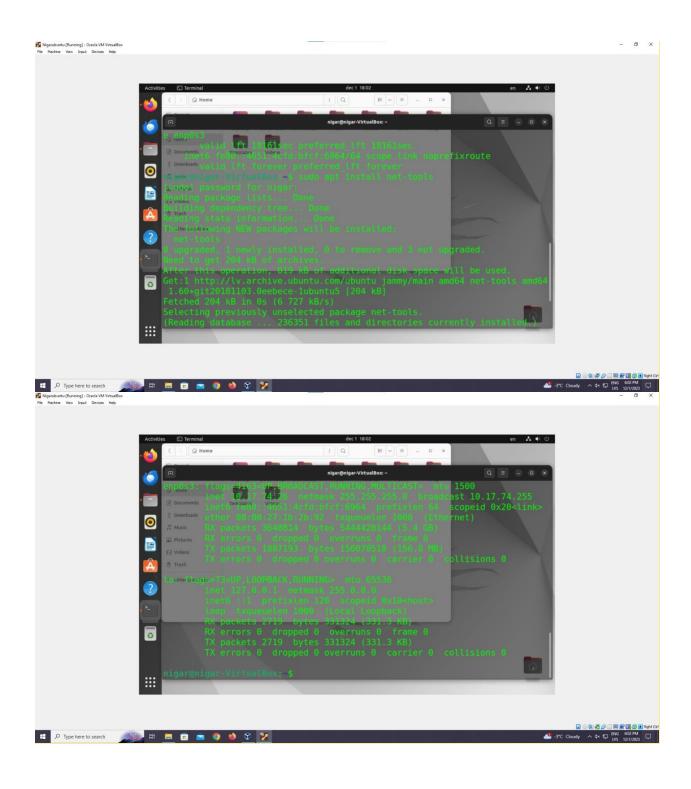


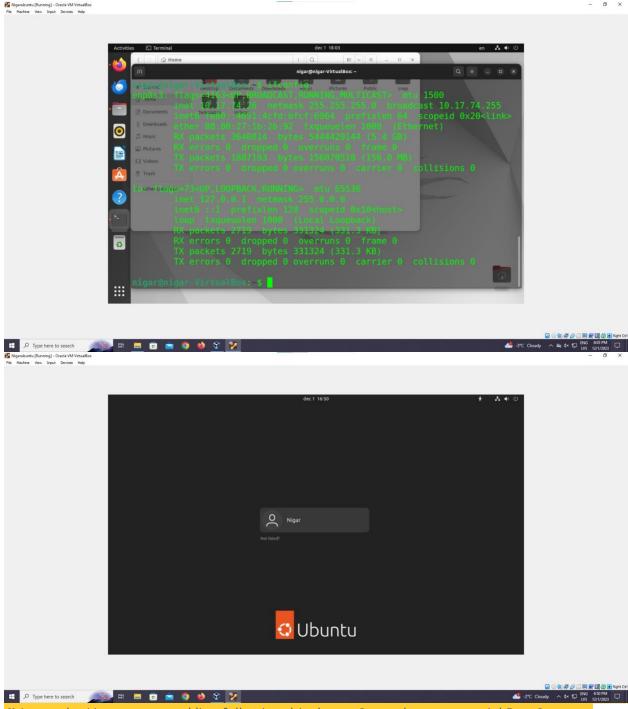




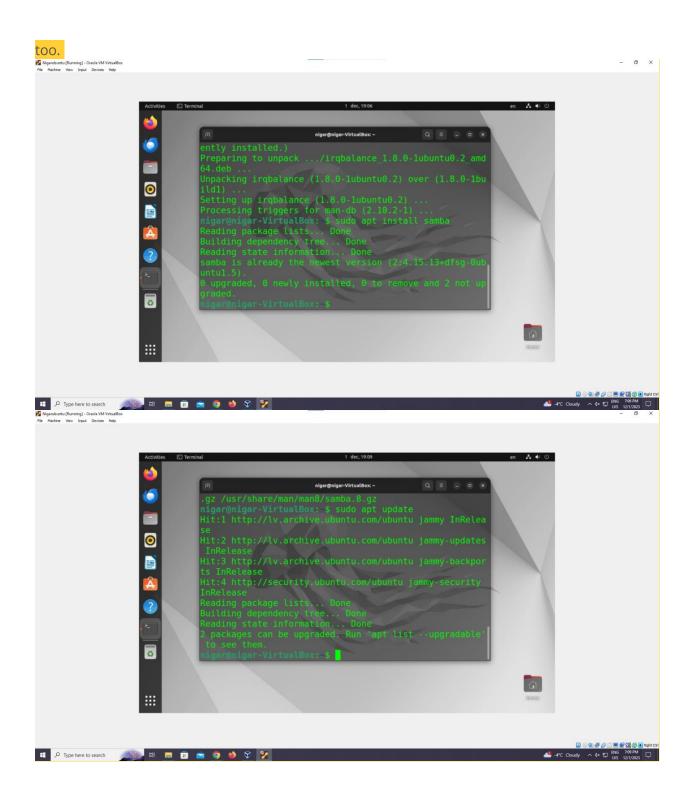


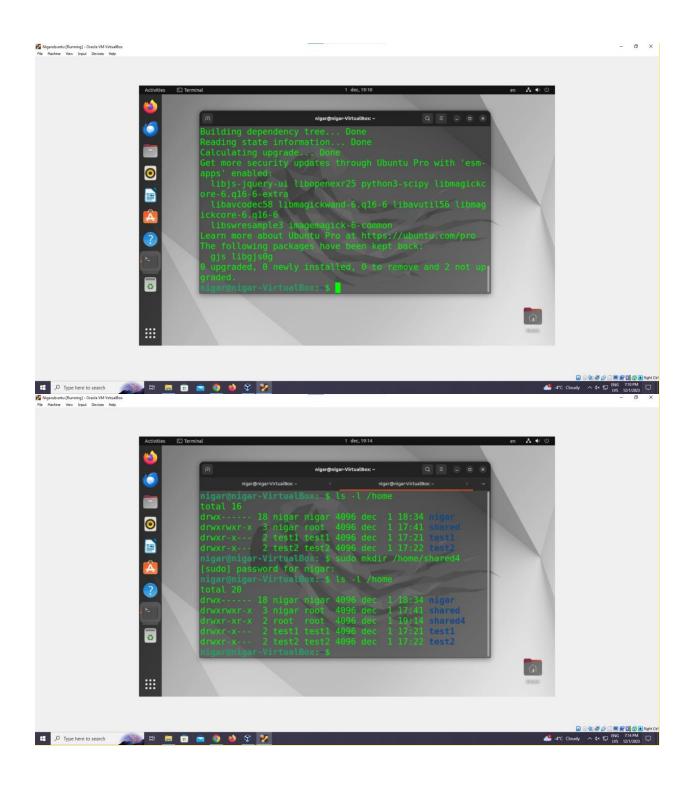


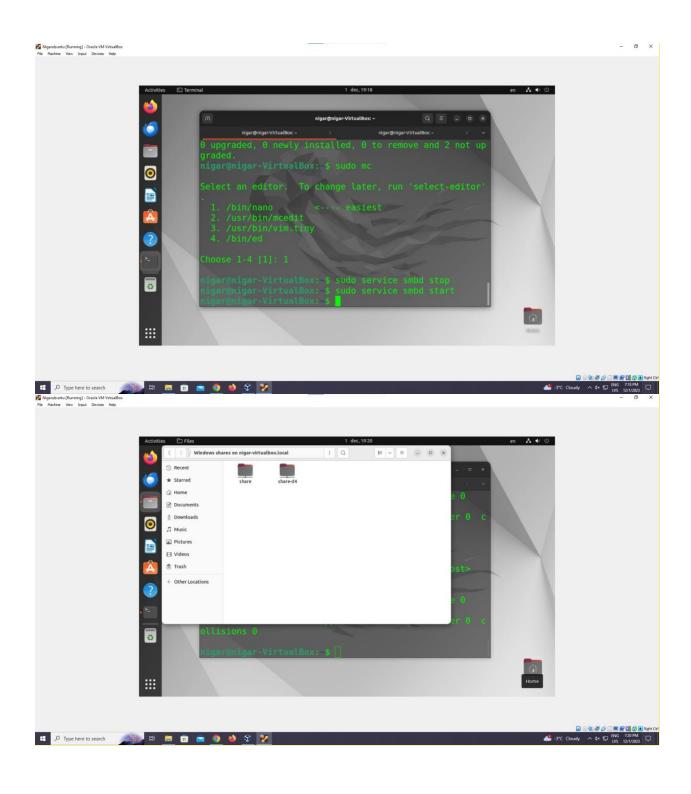




4) Learn the Linux command line following this theme 3 step-by-step tutorial Part 2, create some users on the command line or grafically with adduser before and **after editing adduser.conf from 0755 or 0750 to <u>0700</u>, show folder permissions with Is -I / home.** Learn chmod command

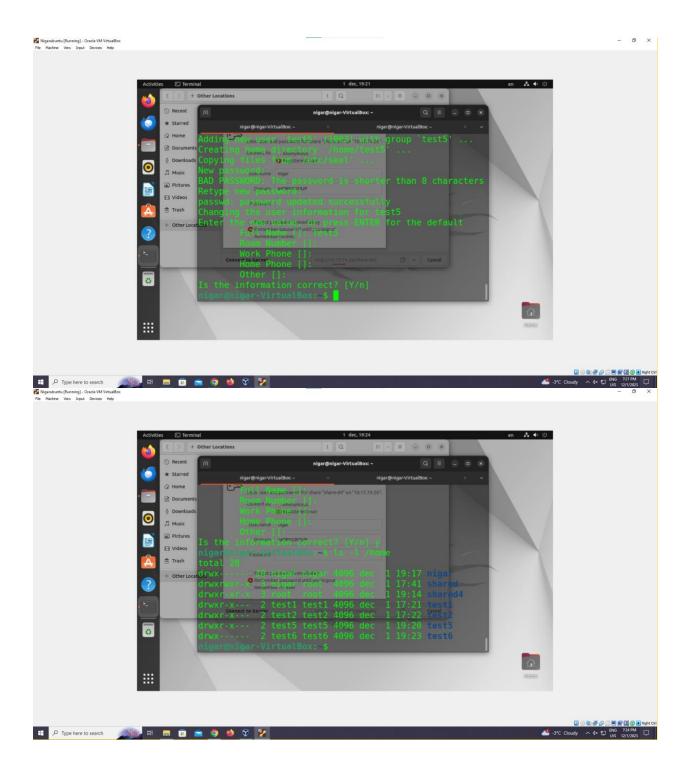


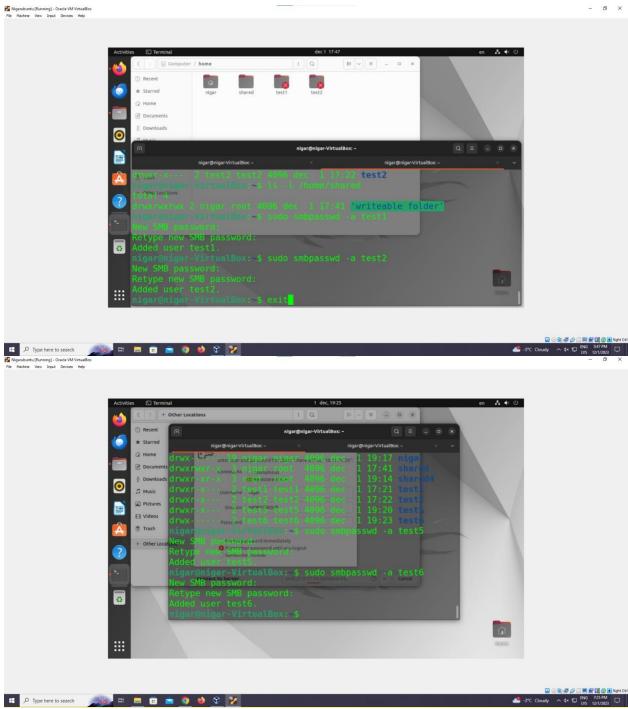




5) Create writable Share with graphical environment and connect to it from Linux and, if

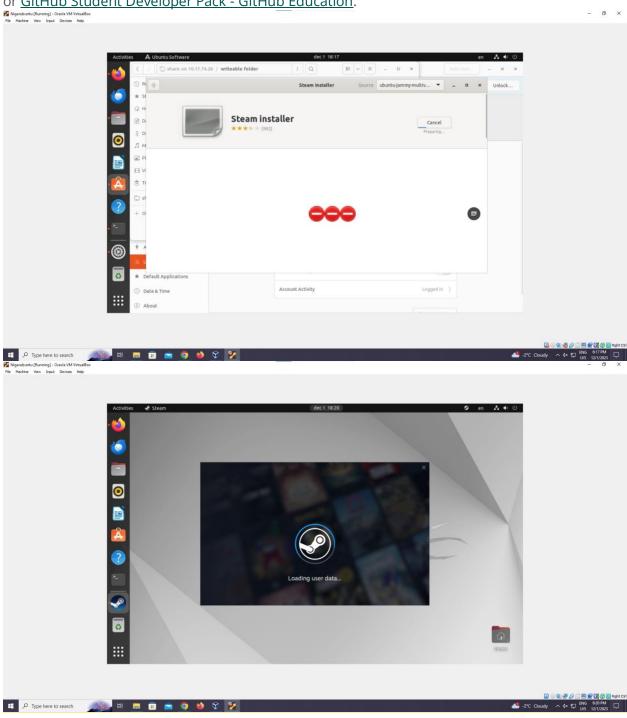
possible, Windows too.

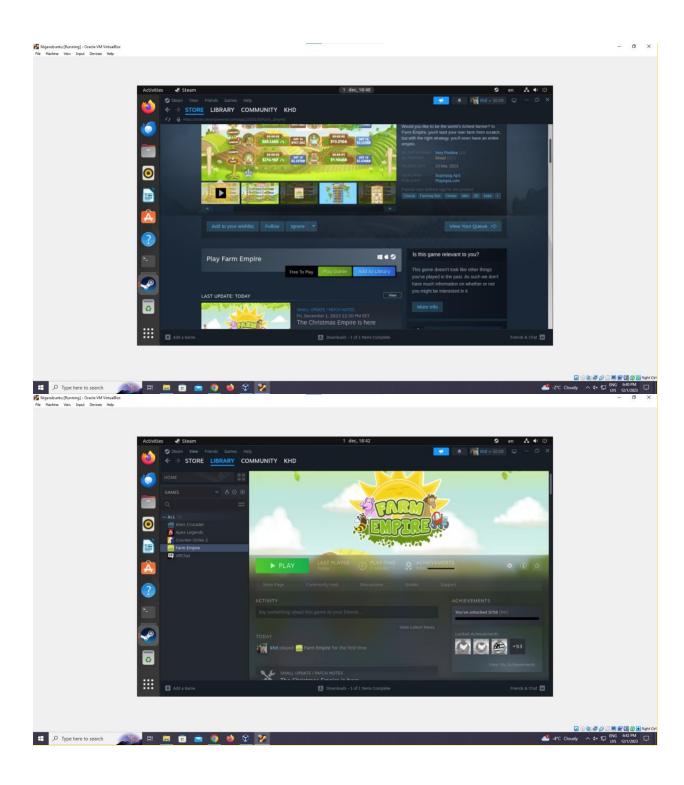




6) Learn from Ubuntu e.t.c. manuals, test other interesting things, such as installing the **Steam** gaming platform and trying out a free game, or introducing a video surveillance console utility **motion**, or children programming app **Scratch** (https://scratch.mit.edu/) and create program. (The 6th and 7th exercisez is optional, without which you can qualify up to 1.8 out of 2). Install and try Webstorm and other programmers tools from www.jetbrains.com and/

or <u>GitHub Student Developer Pack - GitHub Education</u>.

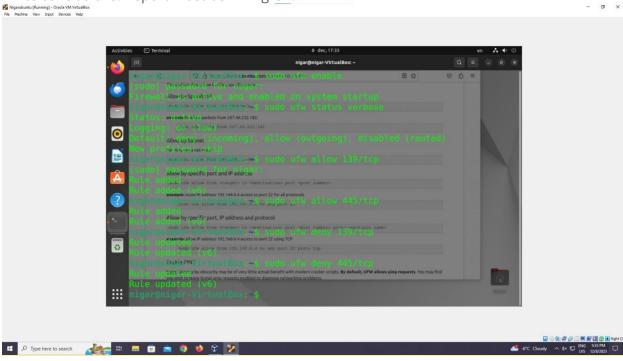


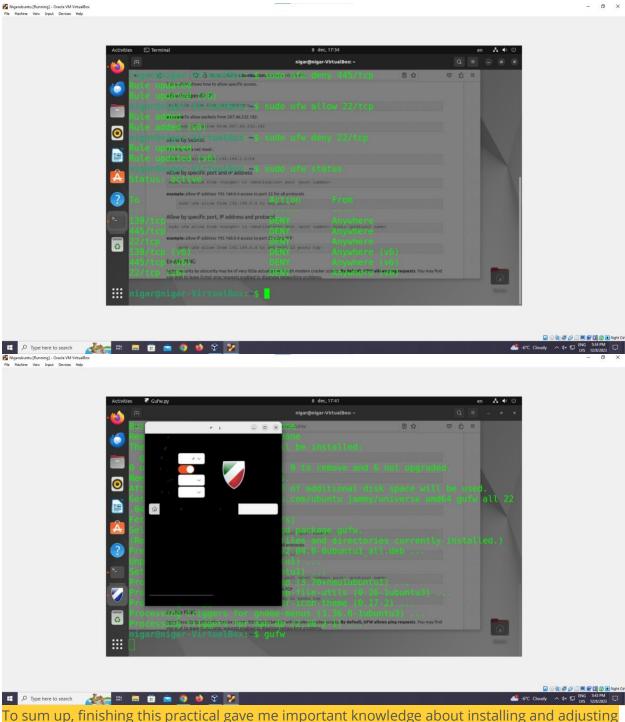




7) Test firewall **UFW** to allow/ deny Samba or SSH. Do it in CLI and GUI. Test different command line commands, make screenshots about them.

Write conclusions. Report must be in English.





To sum up, finishing this practical gave me important knowledge about installing and adjusting Ubuntu 22.04 LTS. The examination of software programmes, user administration, command line expertise, and file sharing demonstrated how flexible and user-friendly the Linux system is. Furthermore, successful security measures were demonstrated by testing the Uncomplicated Firewall (UFW) for Samba and SSH access using both the command line and graphical interface. The optional chores showed off the strength of Ubuntu's software ecosystem even more, including the installation of a variety of tools and applications. Overall, the hands-on training

improved knowledge and proficiency in Linux system administration, highlighting the practical abilities necessary for efficient usage and upkeep of the operating system.