1. List \*\*all running processes\*\* and save the output to `~/processes.txt`.

2. Find the \*\*PID (Process ID)\*\* of the `sshd` service.

3. Run a `sleep 500` command in the background, then \*\*kill it\*\* after 5 seconds.

4. Install `apache2` service, edit the default HTML file (`/var/www/html/index.html`), and verify changes in a web browser.

5. \*\*Check if `sshd` (SSH service) is running\*\*. If not, start and enable it.

6. \*\*Restart the `cron` service\*\* and verify its status.

7. Create a \*\*compressed tarball\*\* (`archive.tar.gz`) of `/var/log` and save it in your home directory.

8. \*\*Extract\*\* the tarball into `~/logs\_backup/`.

9. Create a \*\*non-compressed tarball\*\* (`archive.tar`) of `/etc/ssh` and save it in `/tmp`.

10. Compress `~/processes.txt` using `gzip`.

11. \*\*Decompress\*\* it and compare file sizes using `ls -lh`.

12. \*\*Install `htop`\*\* (a process viewer) using your package manager.

13. \*\*Search for the package `nginx`\*\* (or `httpd`) but do not install it.

14. \*\*Remove the `vim` editor\*\* (if installed) and then reinstall it.

15. Use `wget` to download the Linux kernel source:

```

16. Use `curl` to fetch \*\*Google’s homepage\*\* and save it as `google.html`.

17. \*\*Create a new VM\*\* (e.g., VirtualBox/Cloud instance), add a user to the `sudoers` group, and run `apt update && apt upgrade`.

18. \*\*Generate an SSH key pair\*\* using `ssh-keygen`.

19. \*\*Copy your public key\*\* to the remote server:

20. \*\*SSH into the server\*\* and verify with `hostname`.

21. \*\*Transfer the archived file\*\* (e.g., `archive.tar.gz`) to the remote server using ssh copy way (don’t copy/paste >>> you have to search)