**Cloud Computing Lab**

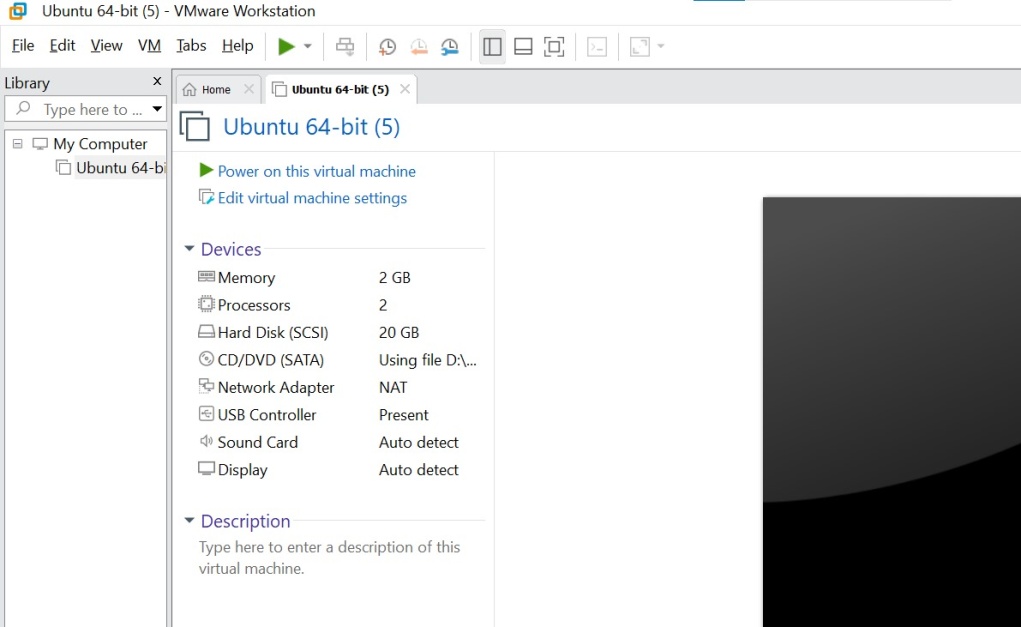
**Safa Jahangir**

**BSE-V B**

**2023-BSE-056**

**LAB 04**

## Task 1 – Verify VM resources in VMware



## Task 2 – Start VM and log in (use your preferred host terminal method only)

## vm\_login

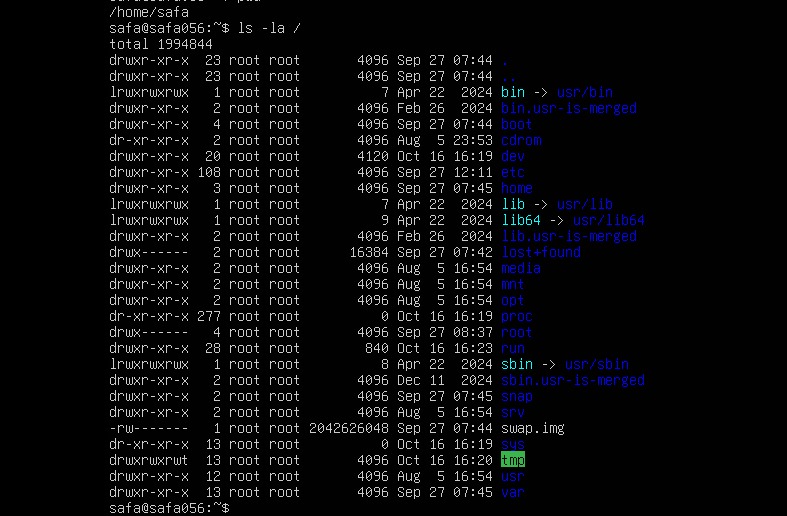
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## whoami\_pwd

## C:\Users\Laptop\AppData\Local\Packages\5319275A.WhatsAppDesktop_cv1g1gvanyjgm\TempState\8F44BF343A8B3FF53D54EF6349935678\WhatsApp Image 2025-10-16 at 21.25.51_53b5aeae.jpg

## Task 3 – Filesystem exploration — root tree and dotfiles

* ls\_root.png



* os\_release.png



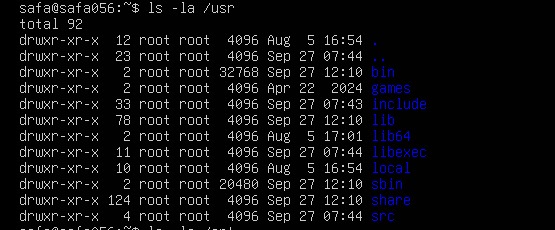
* ls\_bin.png

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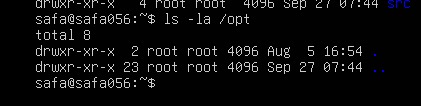
* ls\_sbin.png

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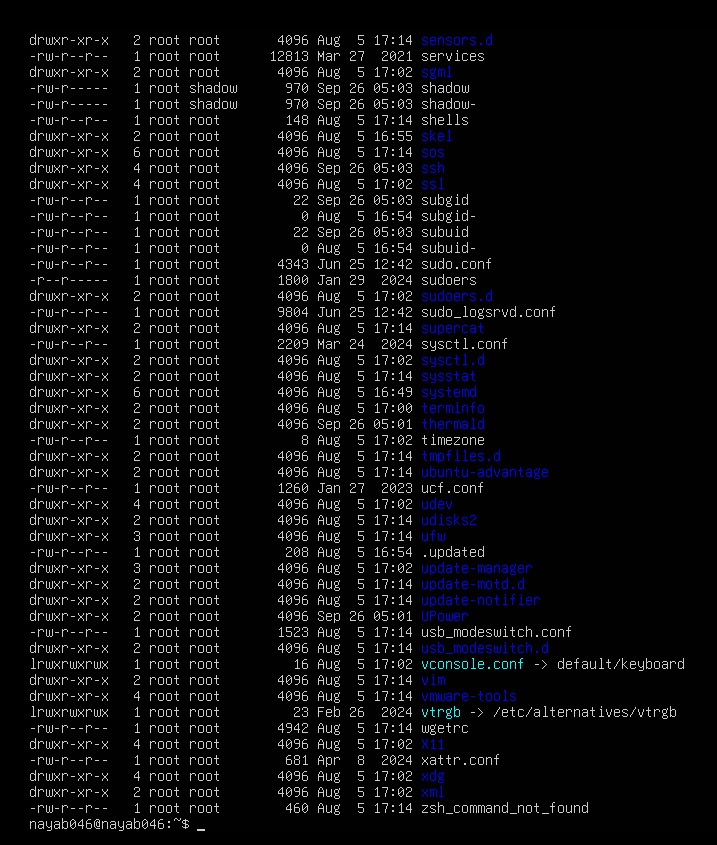
* ls\_usr.png



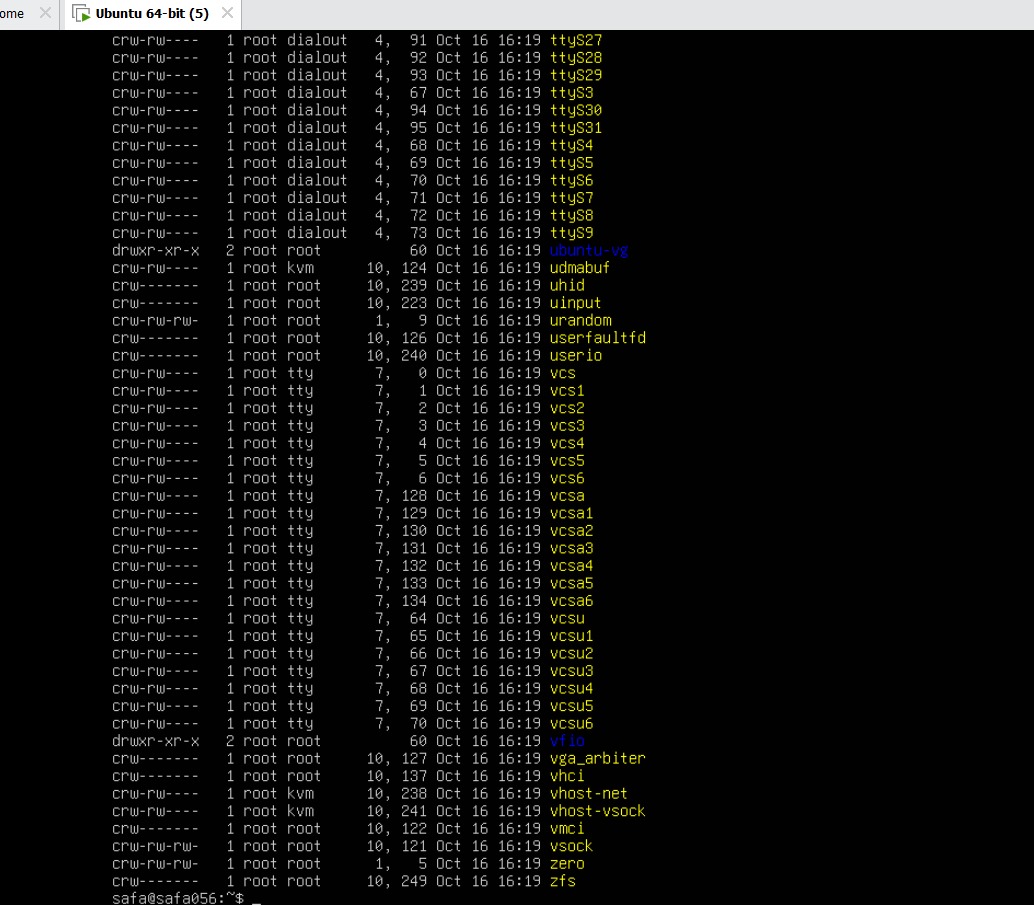
* ls\_opt.png



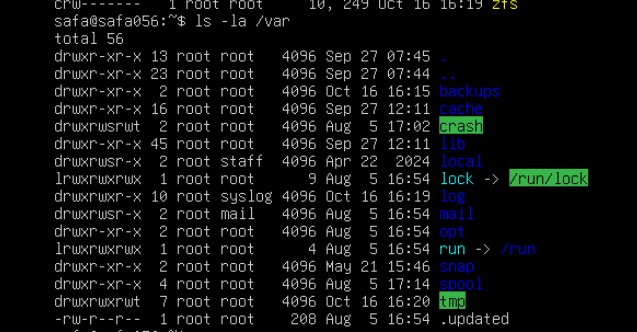
* ls\_etc.png



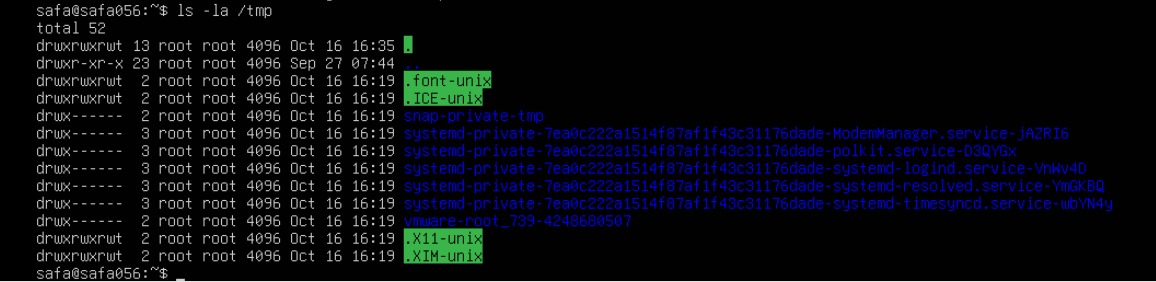
* ls\_dev.png



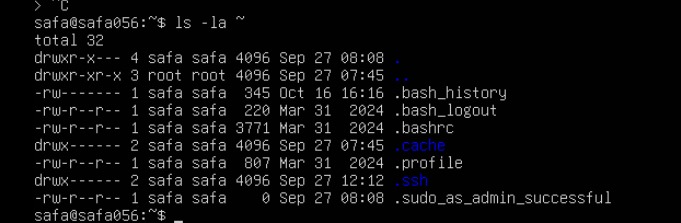
* ls\_var.png



* ls\_tmp.png



* home\_ls.png

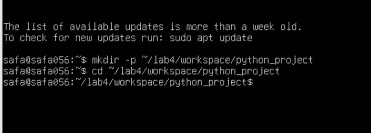


* answers\_md.png

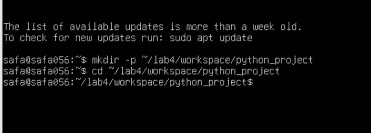
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## Task 4 – Essential CLI tasks — navigation and file operations

* mkdir\_workspace.png



* cd\_workspace.png



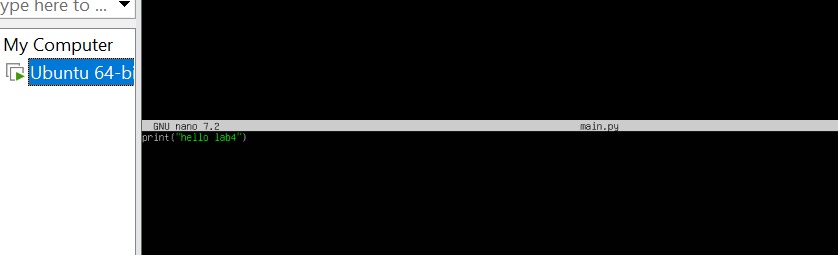
* pwd\_workspace.png

C:\Users\Laptop\AppData\Local\Packages\5319275A.WhatsAppDesktop_cv1g1gvanyjgm\TempState\F78038FAE7EB96B2DA8FD7EFAF12E2DF\WhatsApp Image 2025-10-17 at 10.56.37_f405a0e3.jpg

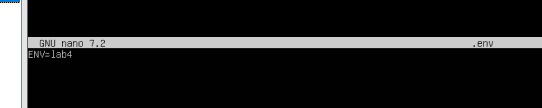
* nano\_readme.png

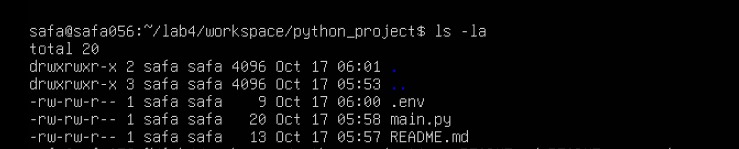


* nano\_main.png



* nano\_env.png



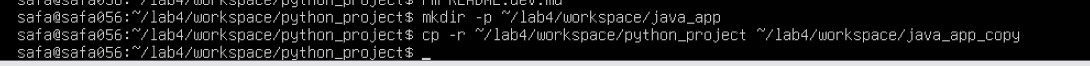
* works pace\_ls.png 
* cp\_readme.png

C:\Users\Laptop\AppData\Local\Packages\5319275A.WhatsAppDesktop_cv1g1gvanyjgm\TempState\4AE4DD4C5651CD27464724897852E777\WhatsApp Image 2025-10-17 at 11.08.43_f4398778.jpg

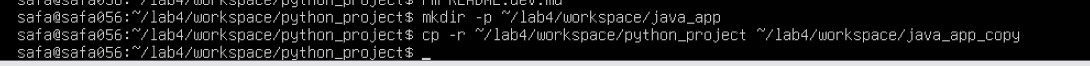
* mv\_readme.png

C:\Users\Laptop\AppData\Local\Packages\5319275A.WhatsAppDesktop_cv1g1gvanyjgm\TempState\F13E92096144B91A3460352FC34655AD\WhatsApp Image 2025-10-17 at 11.09.20_fed0c339.jpg

* rm\_readme.png C:\Users\Laptop\AppData\Local\Packages\5319275A.WhatsAppDesktop_cv1g1gvanyjgm\TempState\AED0F5F7345412401D7F9A2328F3DE68\WhatsApp Image 2025-10-17 at 11.09.40_b6bb5915.jpg
* mkdir\_java\_app.png



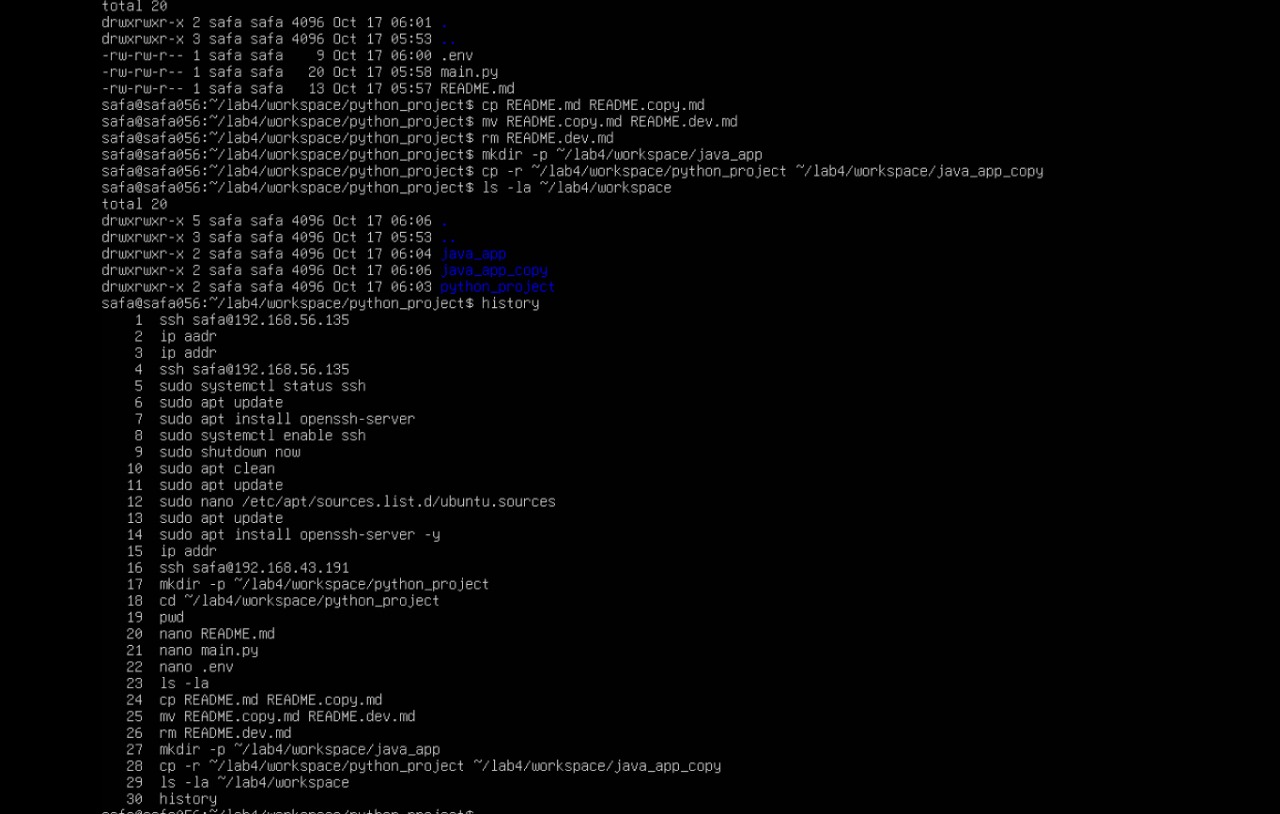
* cp\_recursive.png



* copy\_verify.png



* history.png

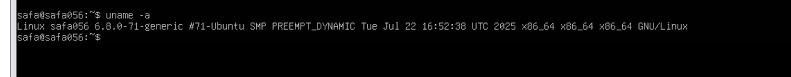


* tab\_completion.png

C:\Users\Laptop\AppData\Local\Packages\5319275A.WhatsAppDesktop_cv1g1gvanyjgm\TempState\80A2399E48C8BB8B6C2832DF02C43AC9\WhatsApp Image 2025-10-17 at 11.17.47_fcef643c.jpg

## Task 5 – System info, resources & processes

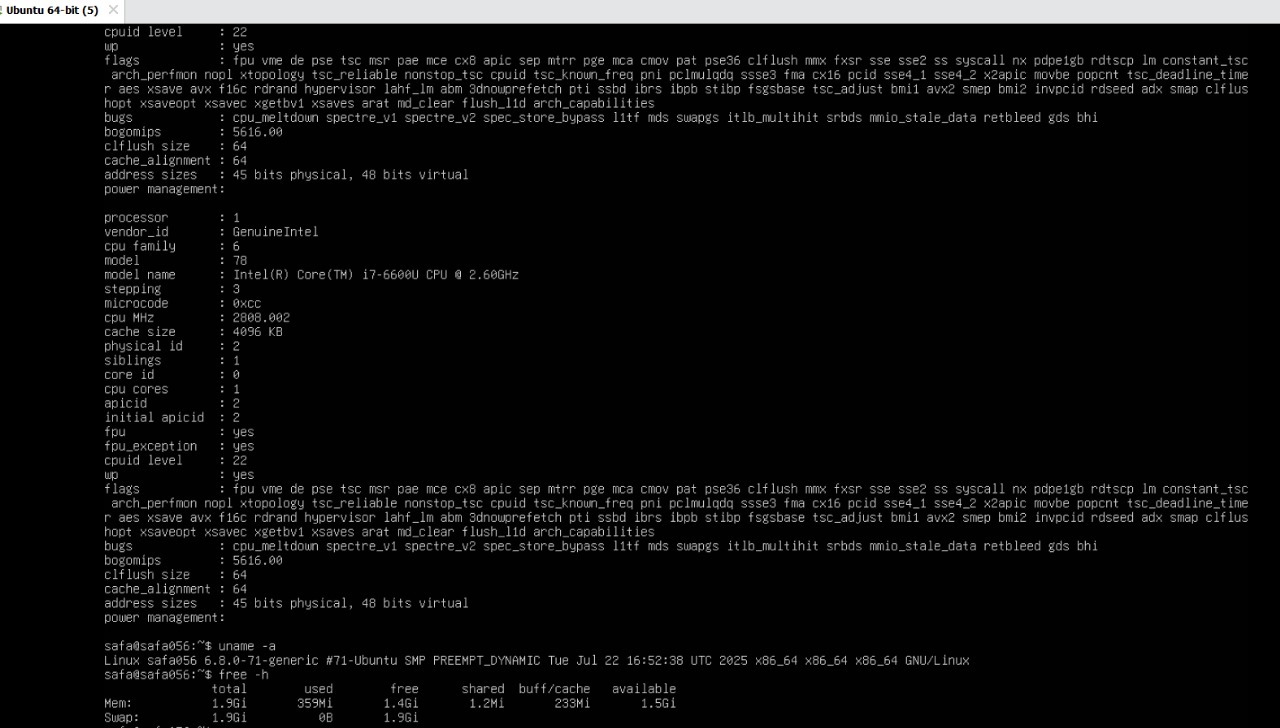
* uname.png



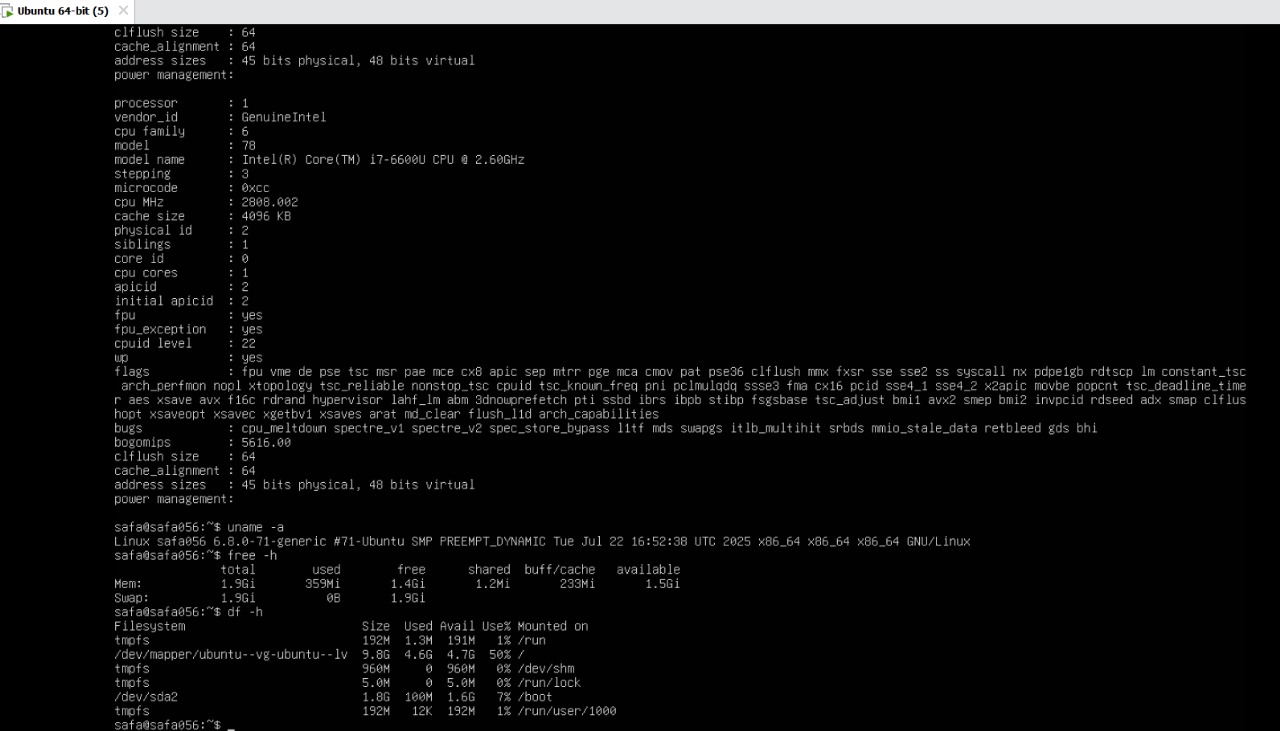
* cpuinfo.png



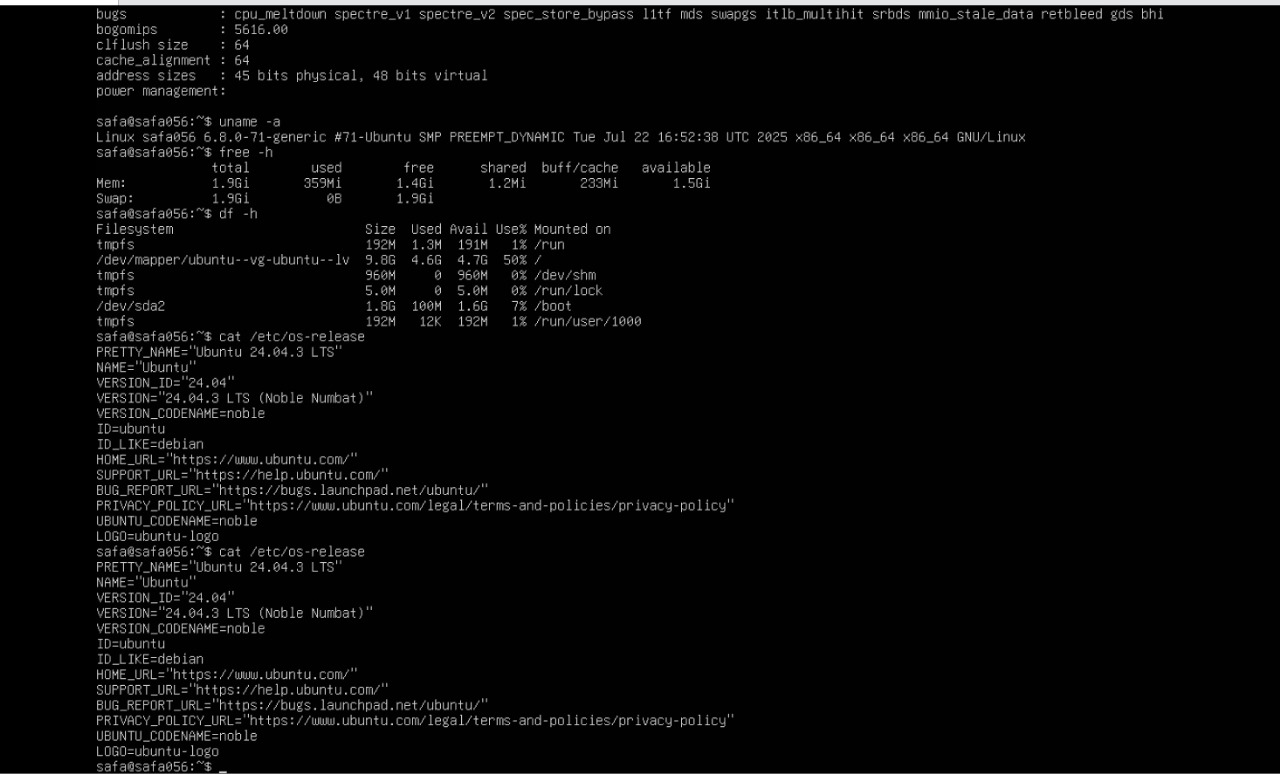
* meminfo.png



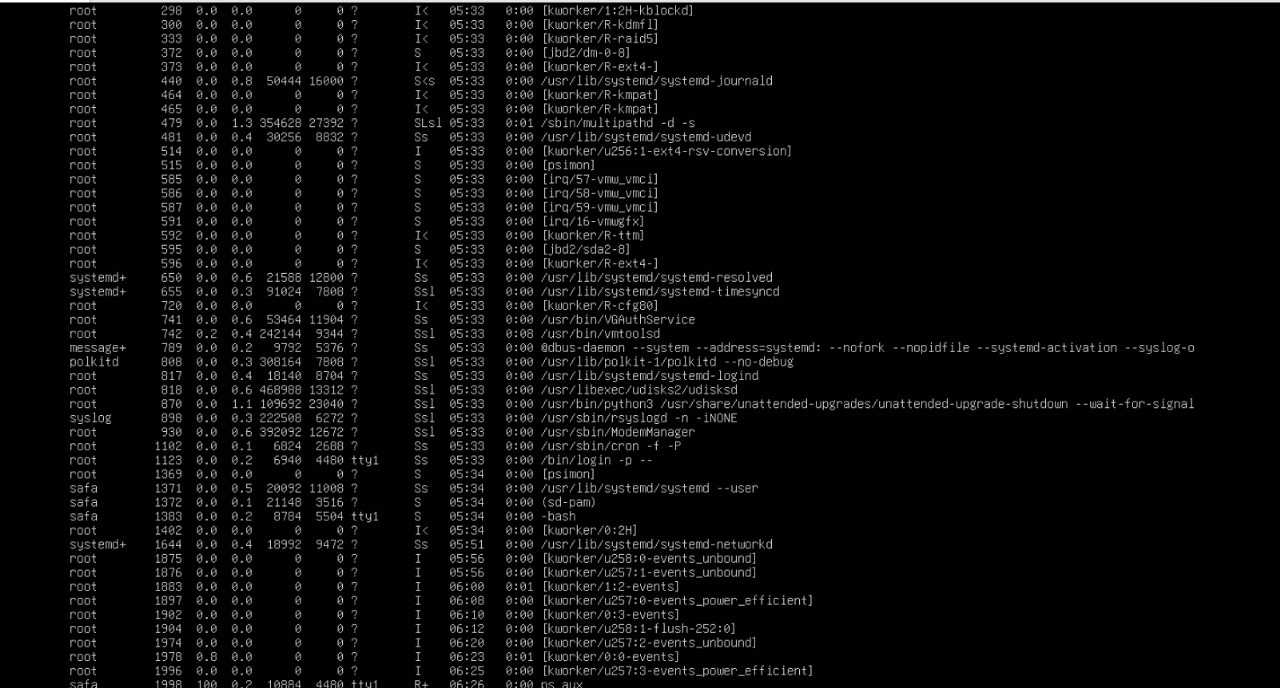
* diskinfo.png



* os-release.png

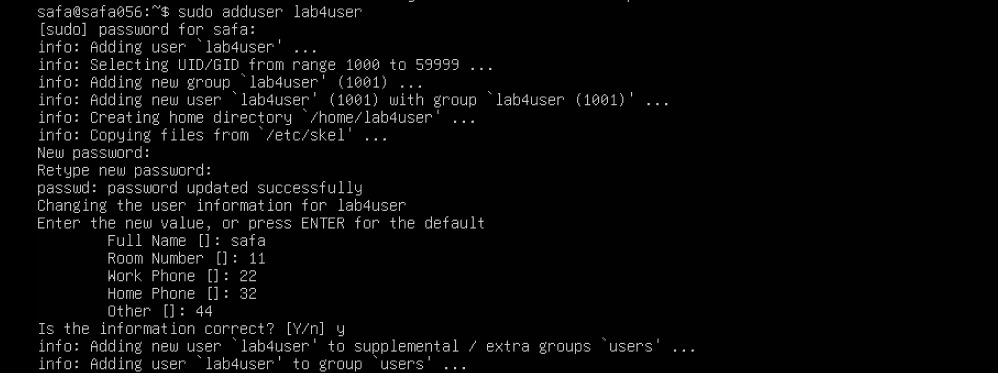


* processes.png

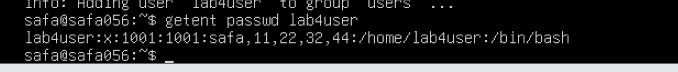


## Task 6 – Users and account verification (no sudo group change)

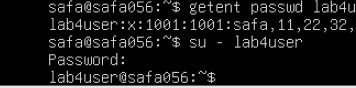
* adduser\_lab4user.png



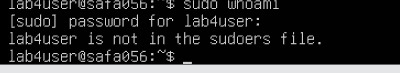
* lab4user\_passwd.png



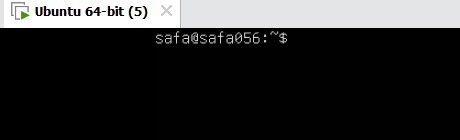
* su\_lab4user.png



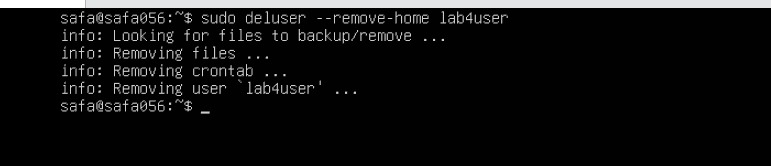
* sudo\_whoami.png



* exit\_back.png

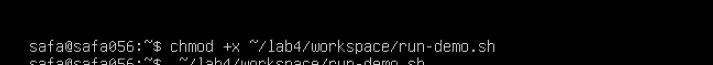


* (optional) deluser.png



## Bonus Task 7 – Create a small demo script using an editor and run it

* nano\_run\_demo.png 
* chmod\_run\_demo.png



* run\_demo\_output.png



* run\_demo\_output\_sudo.png (optional)

