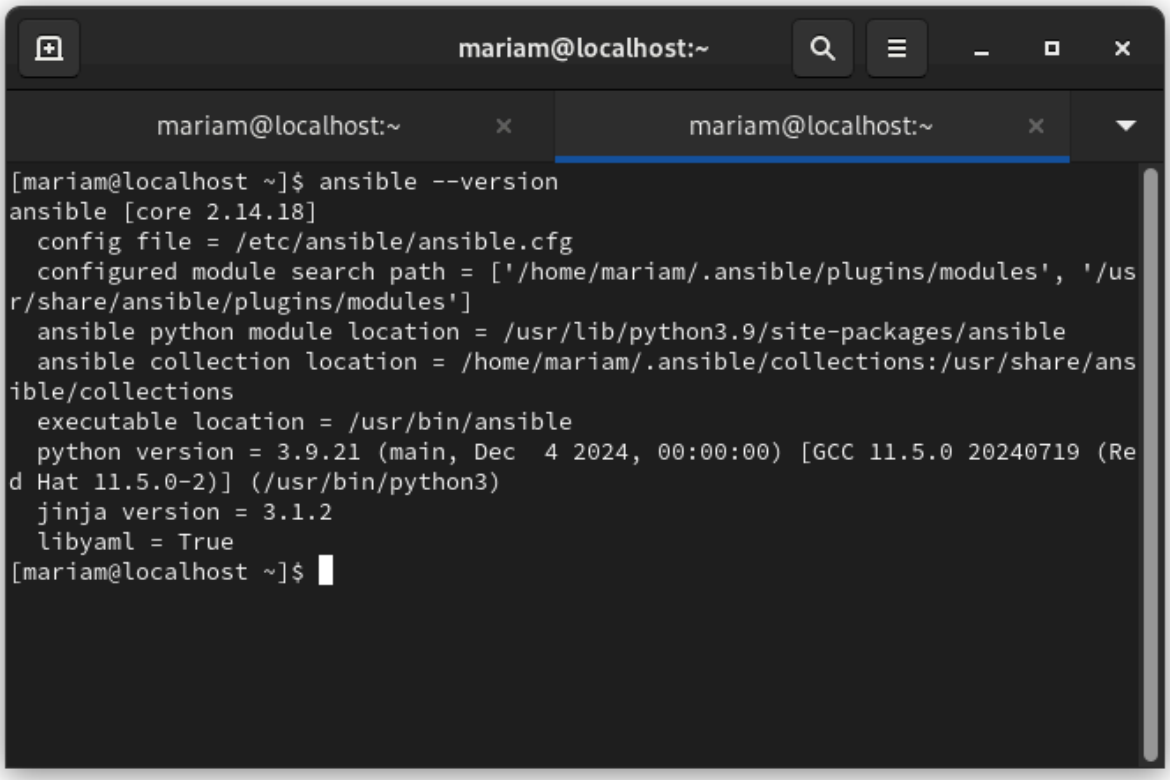
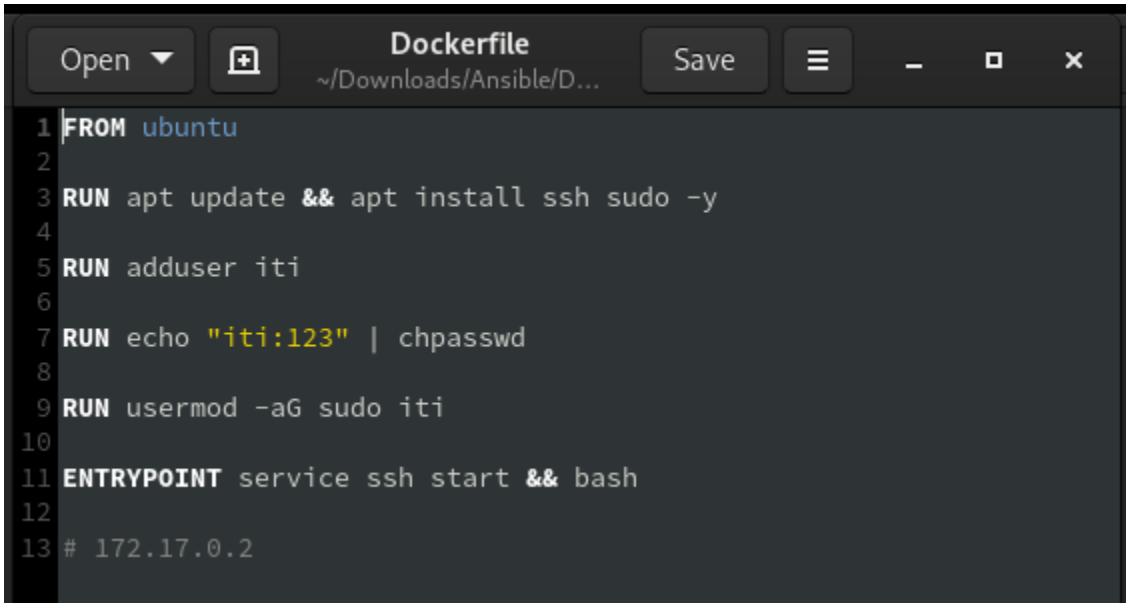
1- install ansible

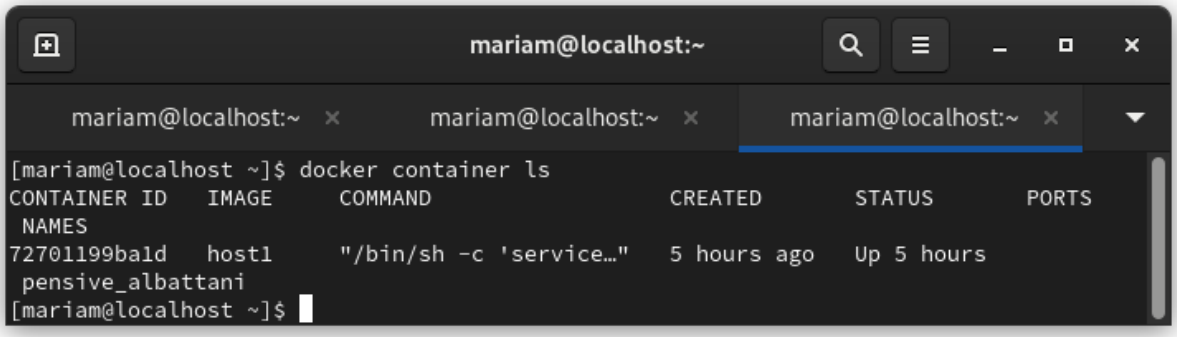


2- create a new user on host 1

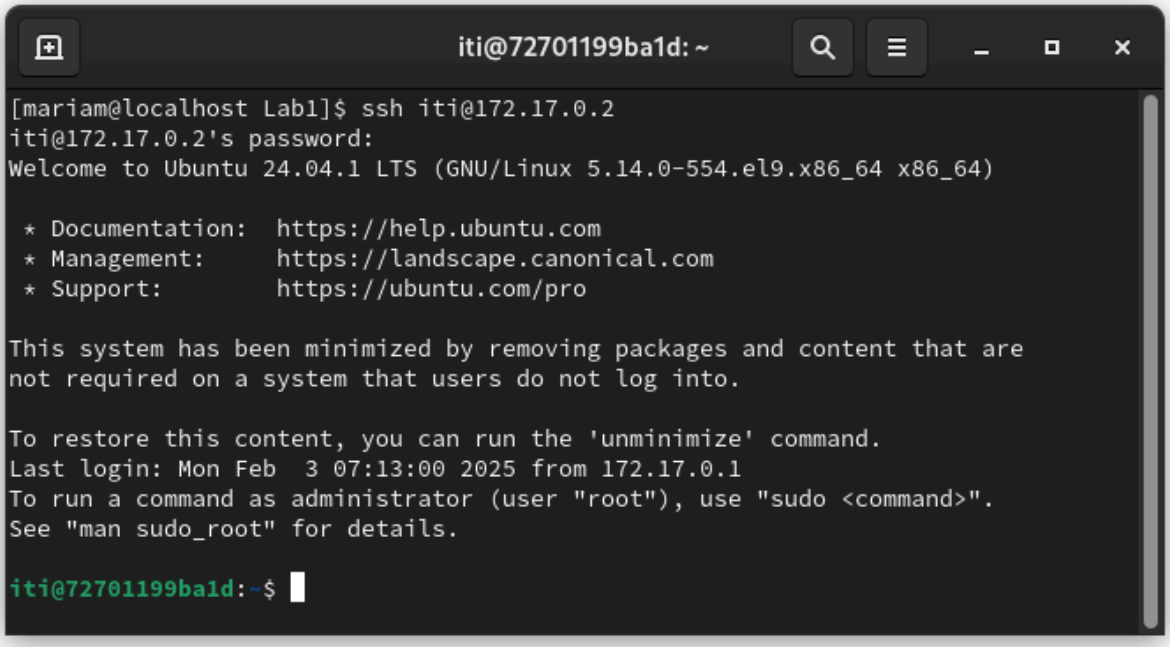
- Create dockerfile



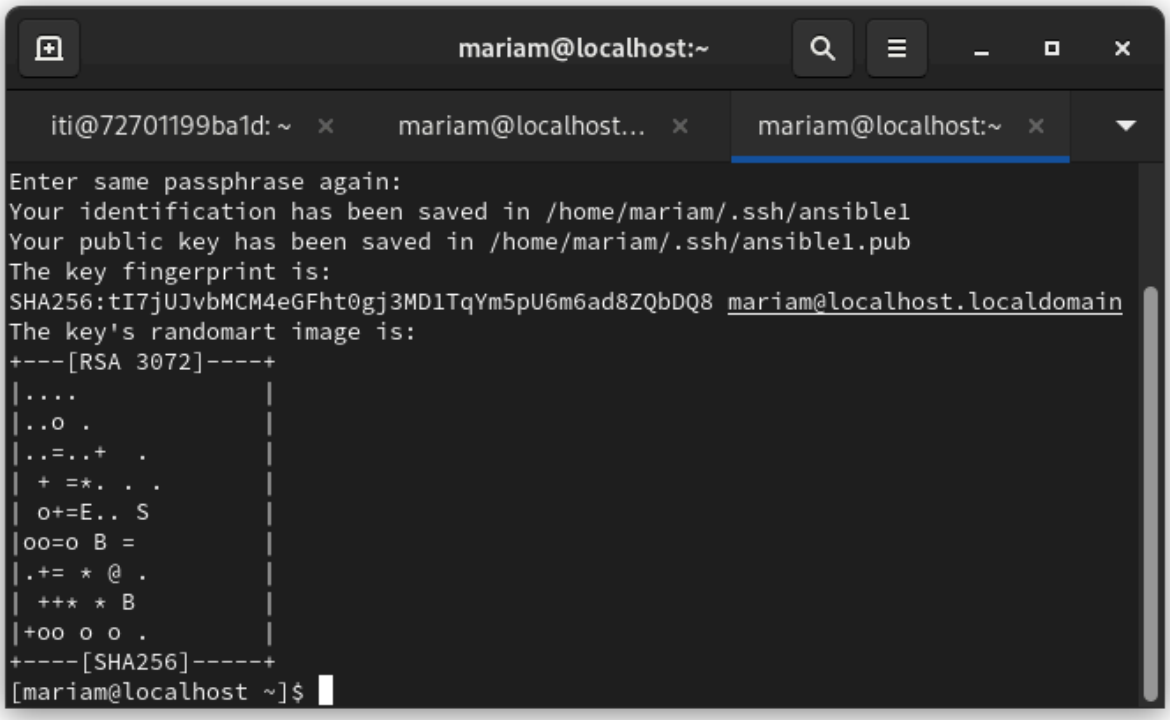
- Create a container from it



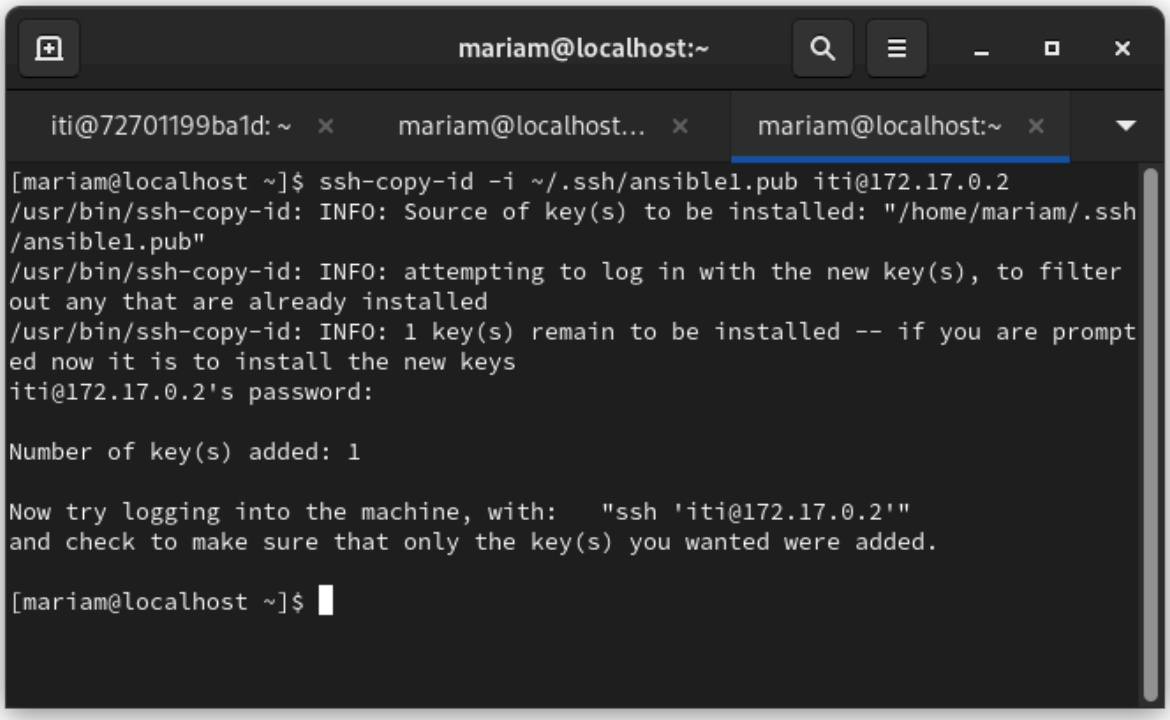
3- make sure you can ssh into host 1 (using password)



4- generate ssh key pair on control machine

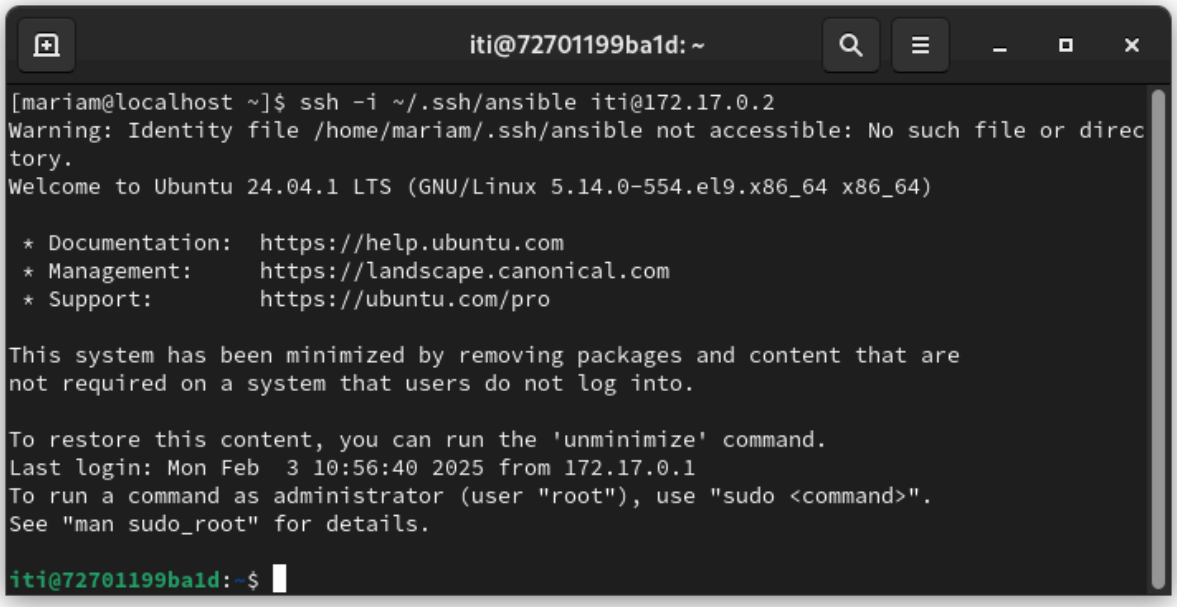


5- copy the public key to host 1

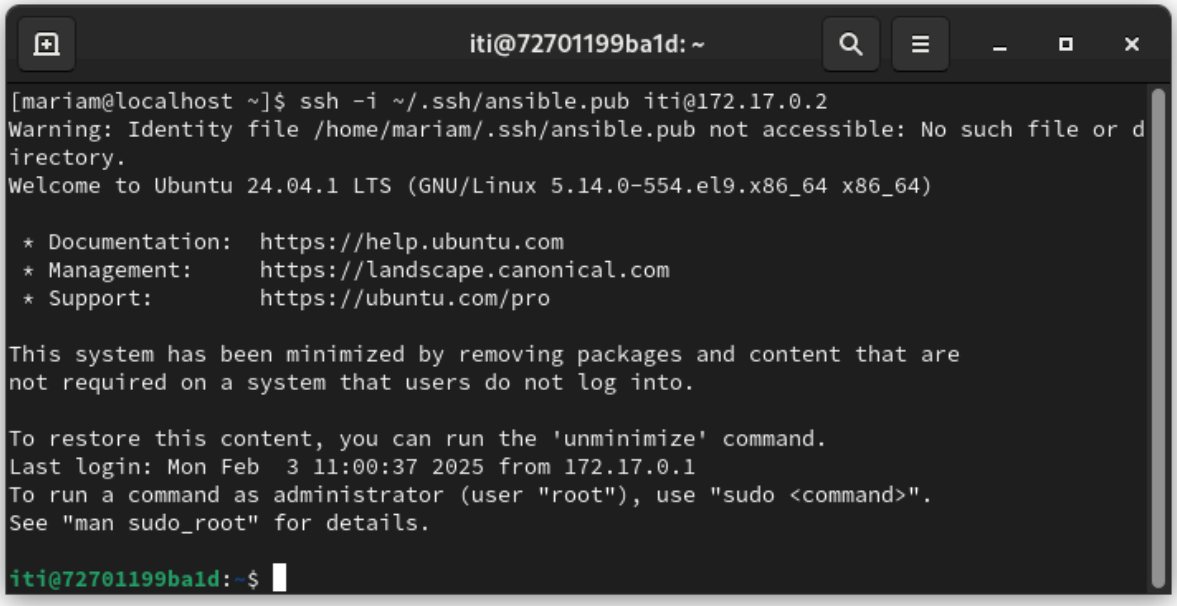


6- make sure you can ssh into host 1 (using prv/pub)

- Prv



- Pub

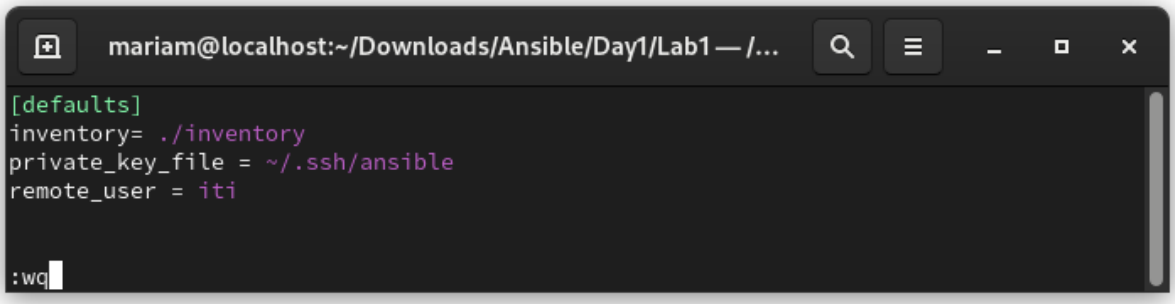


7- create the inventory file
8- put the IP of host 1 in the inventory file

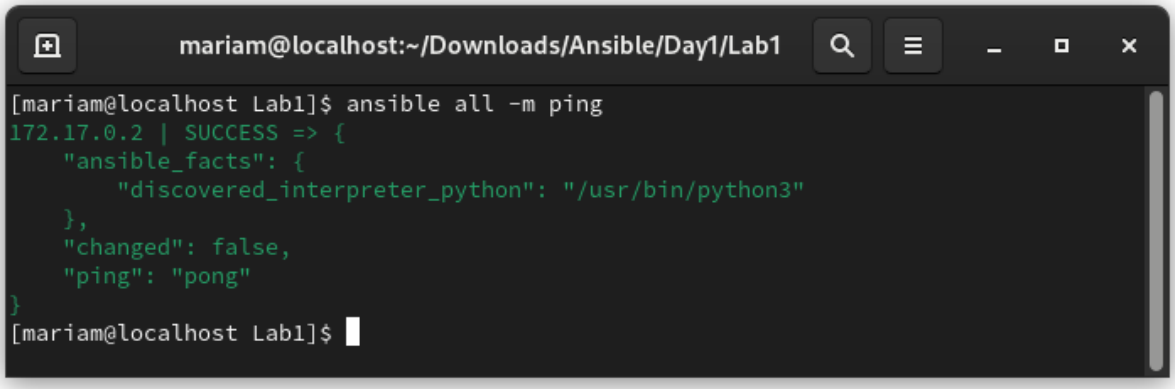
9- use the inventory file path in your ad-hoc command instead of using the ip hard-coded

- Testing: running an ad-hoc command using ip hard-coded

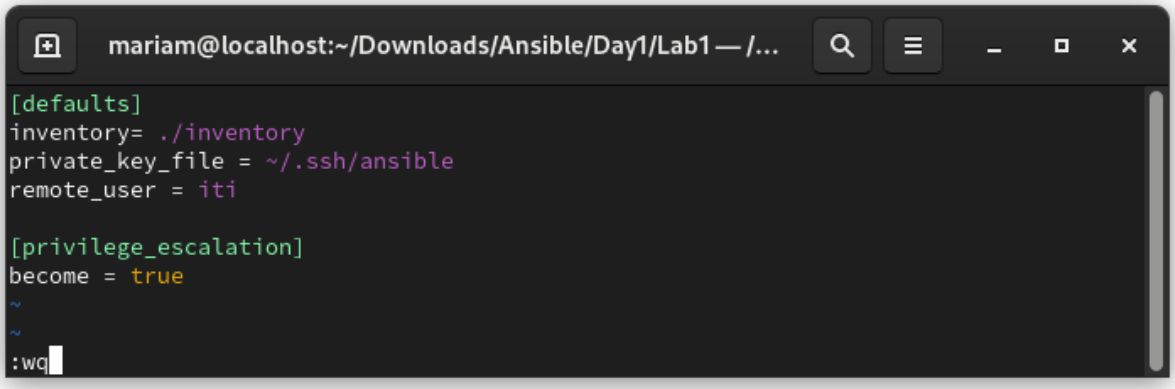
10- create the config file
11- insert values in it



12- run the minimized ad-hoc command

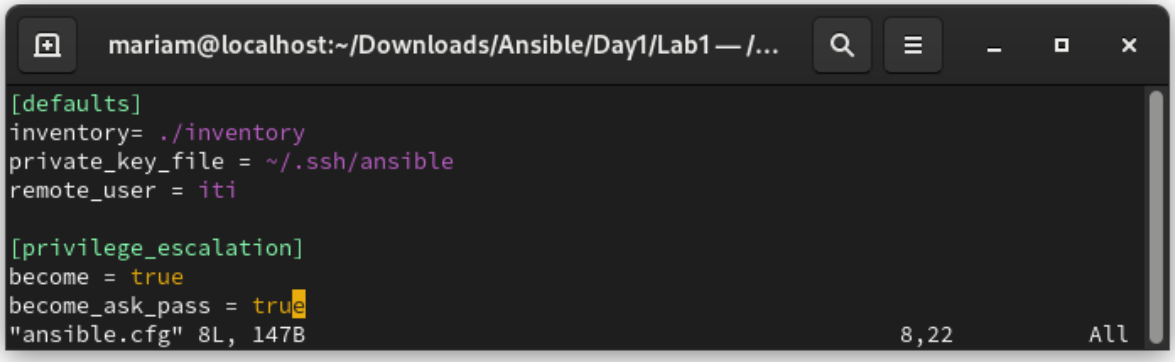


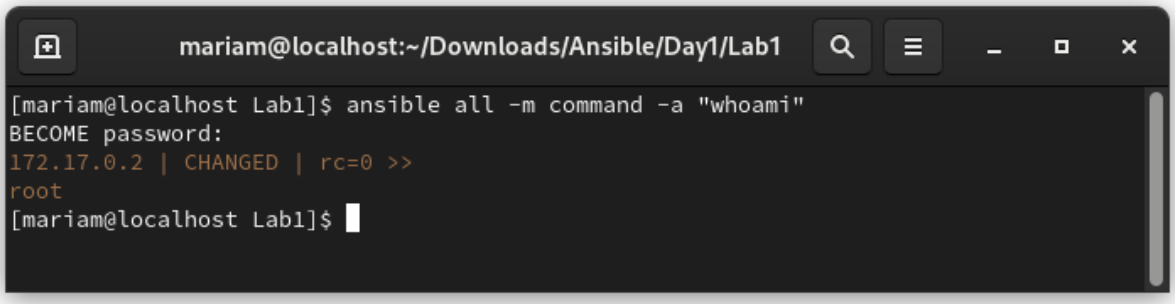
13- insert the ad-hoc command escalation in cfg file



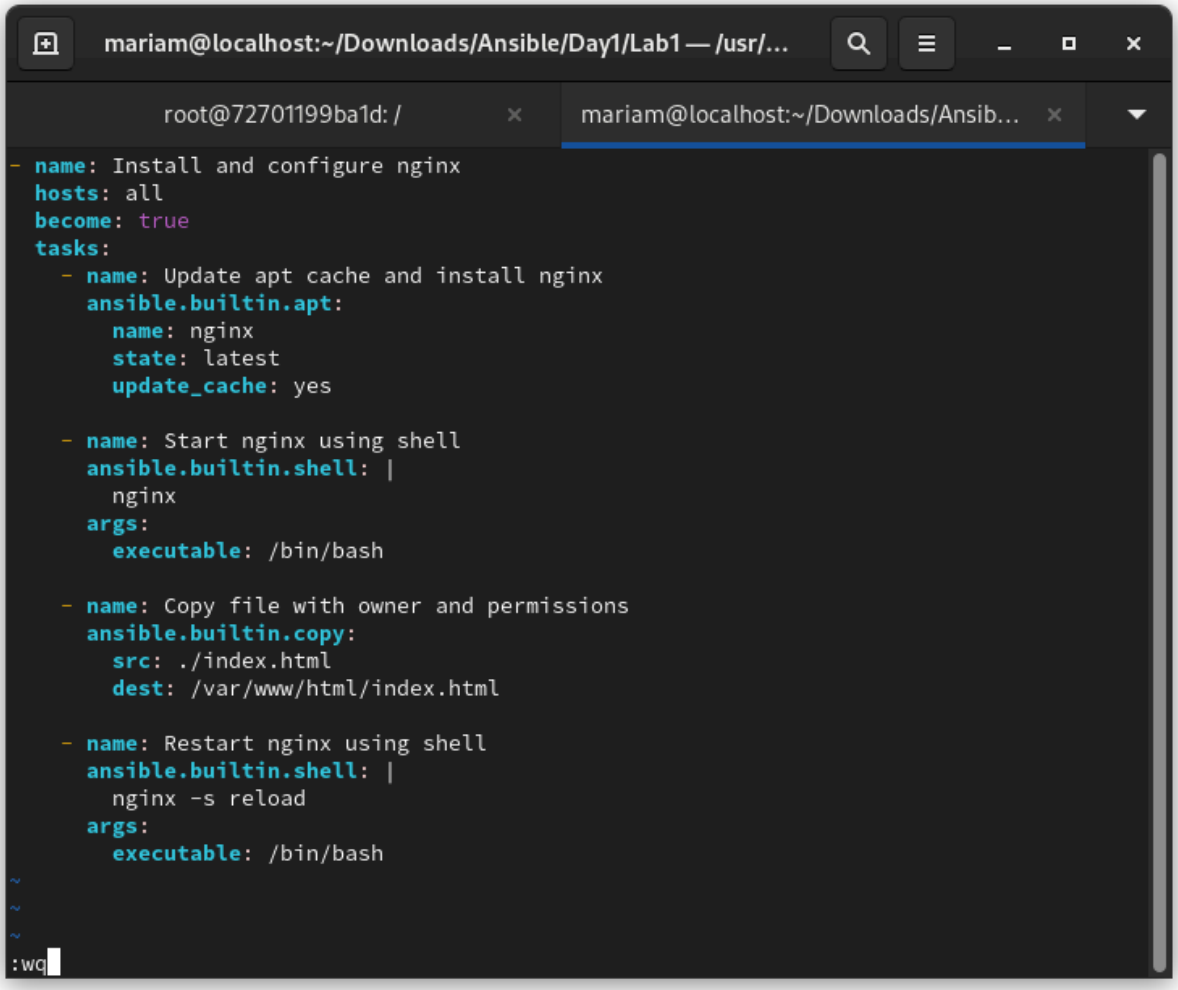
14- that outputs an error: missing sudo password

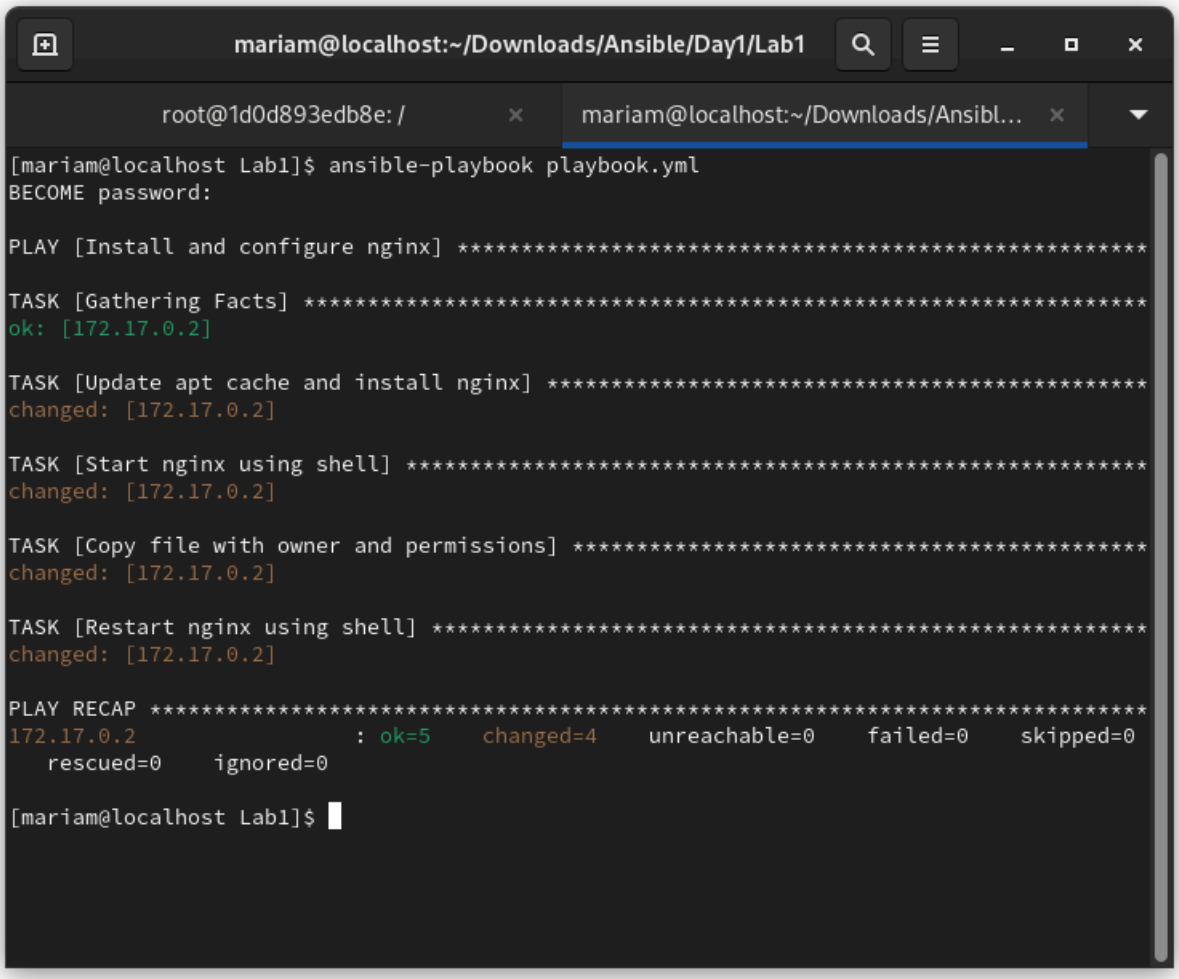
- to solve this issue

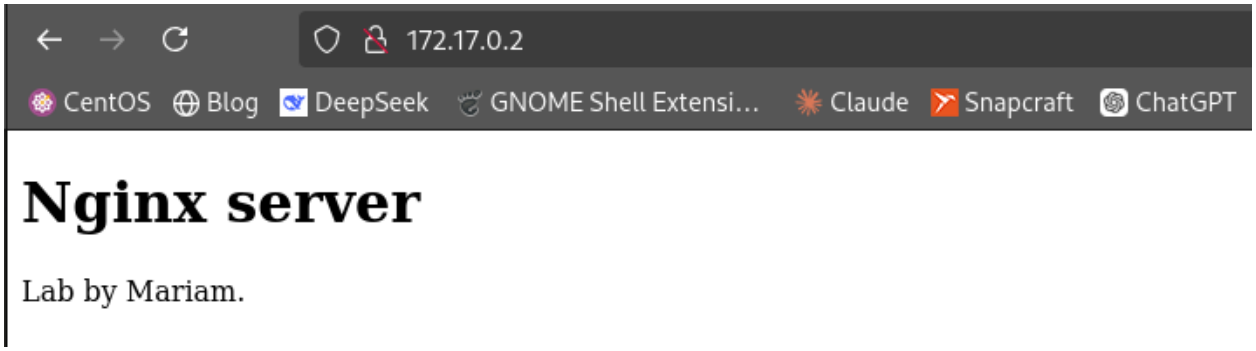




15- update cache,
Install latest nginx
Copy index.html from controller to host 1
Restart nginx service




mariam@localhost:~/Downloads/Ansible/Day1/Lab1
root@1d0d893edb8e: /
mariam@localhost:~/Downloads/Ansibl...
[mariam@localhost Lab1]$ ansible-playbook playbook.yml
BECOME password:
PLAY [Install and configure nginx] **
TASK [Gathering Facts] **
ok: [172.17.0.2]
TASK [Update apt cache and install nginx] ***
changed: [172.17.0.2]
TASK [Start nginx using shell] **
changed: [172.17.0.2]
TASK [Copy file with owner and permissions] ***
changed: [172.17.0.2]
TASK [Restart nginx using shell] **
changed: [172.17.0.2]
PLAY RECAP **
172.17.0.2 : ok=5 changed=4 unreachable=0 failed=0 skipped=0
rescued=0 ignored=0
[mariam@localhost Lab1]$


172.17.0.2
CentOS
Blog
DeepSeek
GNOME Shell Extensi...
Claude
Snapcraft
ChatGPT
Nginx server
Lab by Mariam.