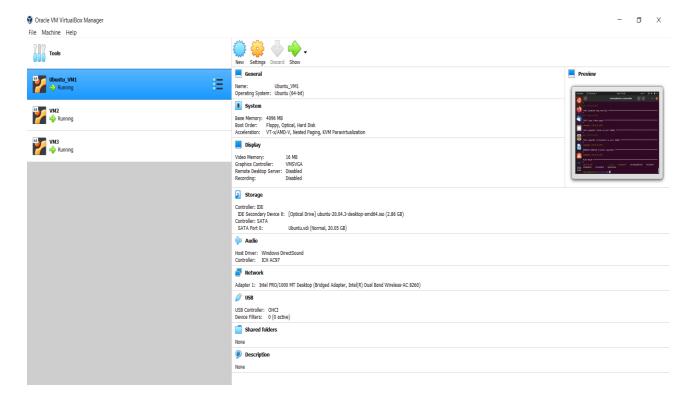
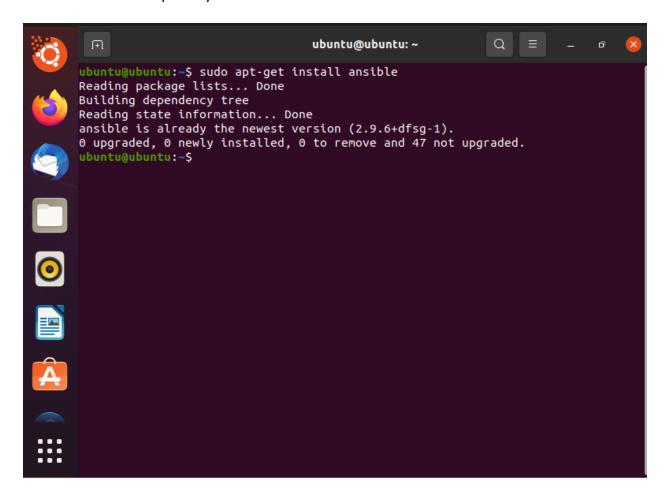
ASSIGNMENT 1: ANSIBLE

GitHub Repo:

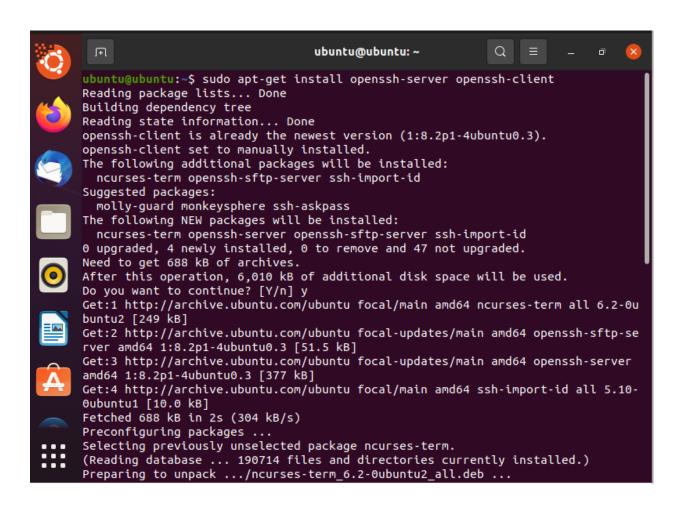
https://github.com/poojashreeNS/Assignments/tree/main/HW%231 Ansible/ HW%231 By Charu 1. **Provision 3 VMs:** Ubuntu_VM1, will be acting as primary/deployer VM in this exercise and rest two VMs are going to be client VMs on which webservers will be deployed.



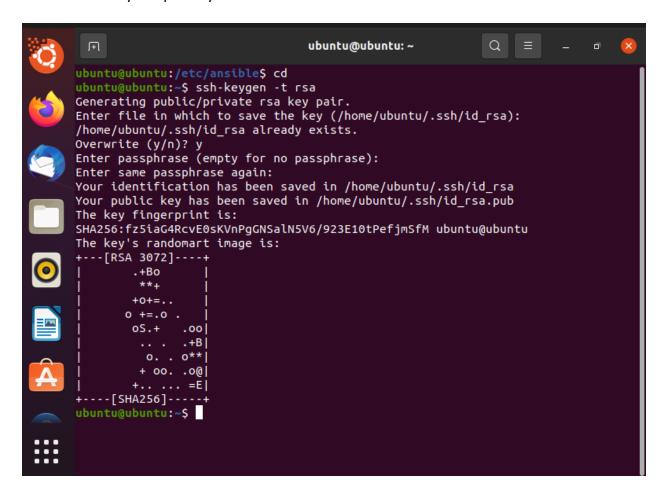
2. Install Ansible on primary VM.



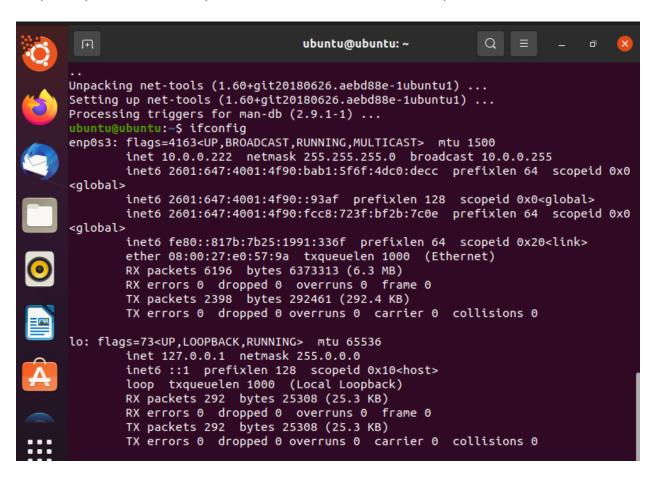
3. Install openssh server and client on all VMs.

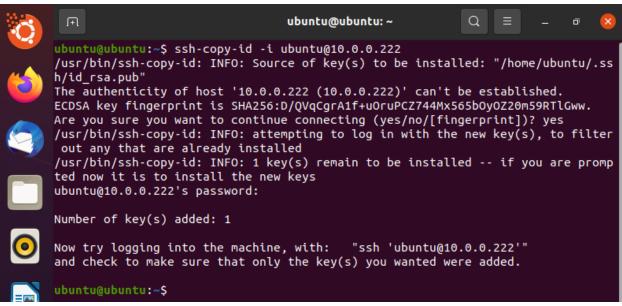


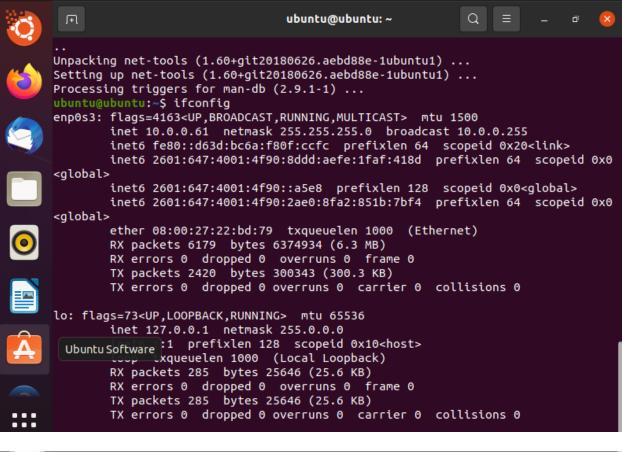
4. Generate keys on primary VM.

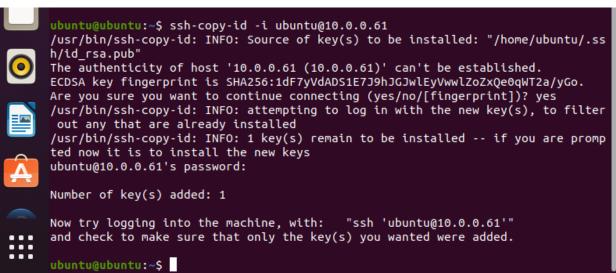


5. Determine IPs of client machines (VM2 and VM3) using ifconfig command and copy primary machine's ssh key into client machine's authorized keys.

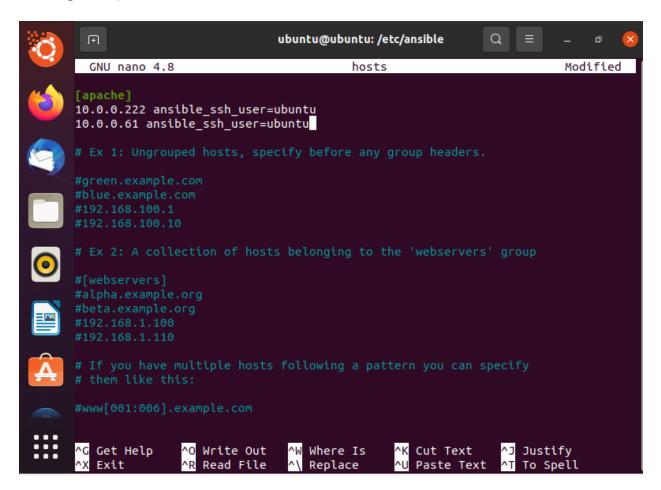








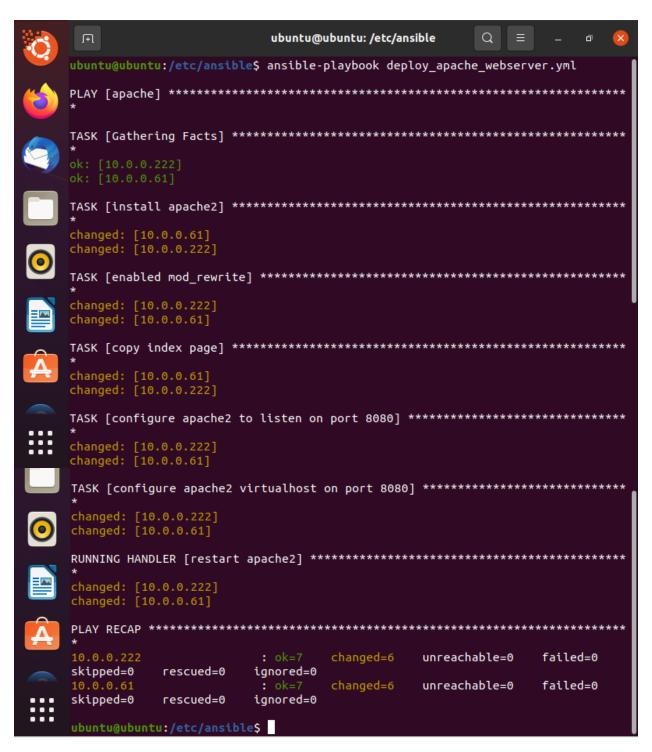
6. Update the hosts file in /etc/ansible directory to specify our client VMs IP address as part of a new group '[apache]' (Since I have used Apache webserver as part of this assignment).



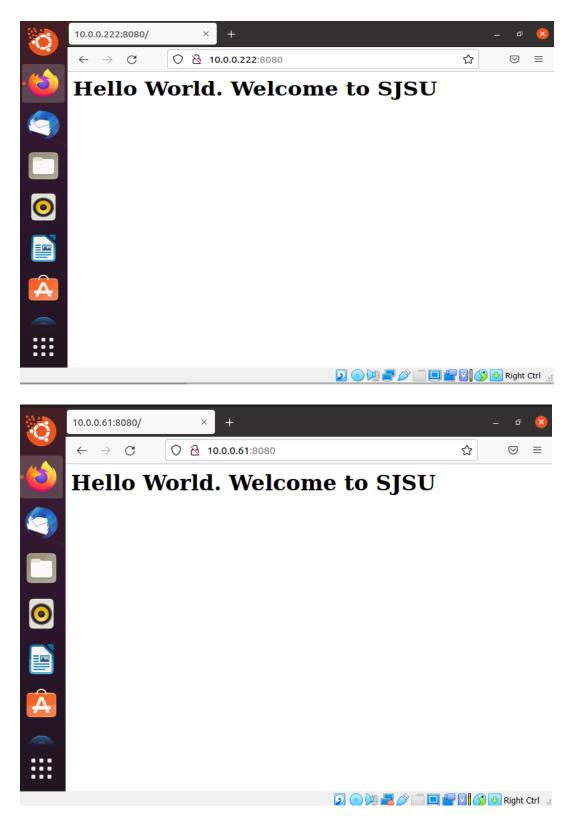
7. Verify that ansible inventory is updated to reflect newly added server group and make sure that all the host in '[apache]' group are pingable.

8. Deploy Apache webserver on both client machines by means of the curated playbook "deploy_apache_webserver.yml"

(https://github.com/poojashreeNS/Assignments/blob/main/HW%231 Ansible/HW%231 By Charu/deploy apache webserver.yml).



9. Verify that deployed webservers are up and running.



10. Un-deploy Apache server from client VMs by means of second curated playbook "undeploy_apache_webser.yml"

(https://github.com/poojashreeNS/Assignments/blob/main/HW%231 Ansible/HW% 231 By Charu/undeploy apache webserver.yml).



11. Verify that webservers are not responding anymore.

