AWS Solutions Architect Certification Training

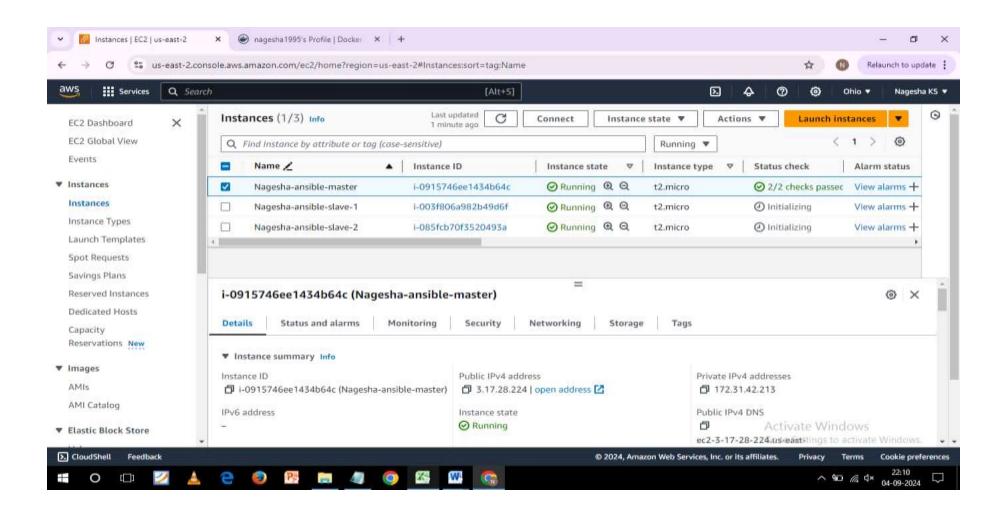
support@intellipaat.com - +91-7022374614 - US: 1-800-216-8930 (Toll Free)

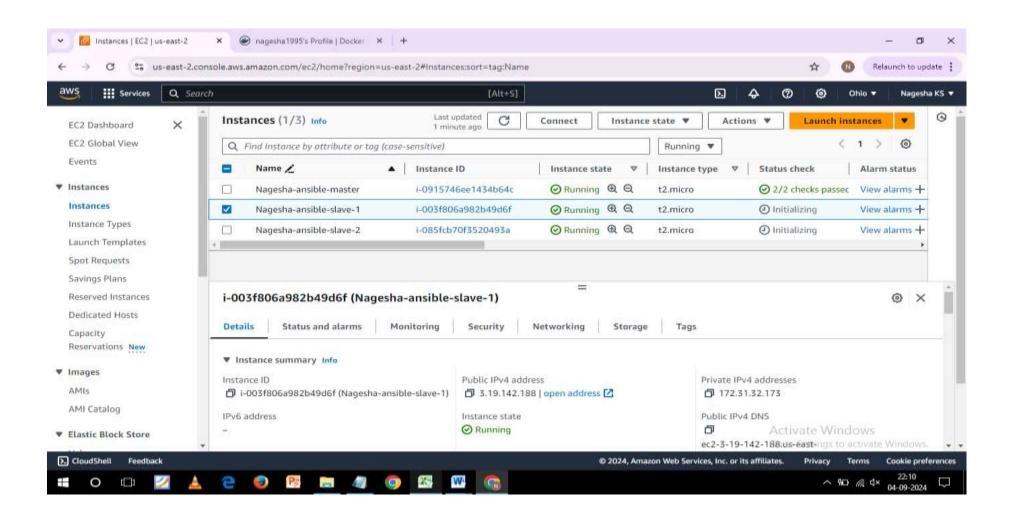
DevOps-Module5-Ansible-Assignment-1 COMPLETED by Nagesha KS Please check the following screenshots for each question.

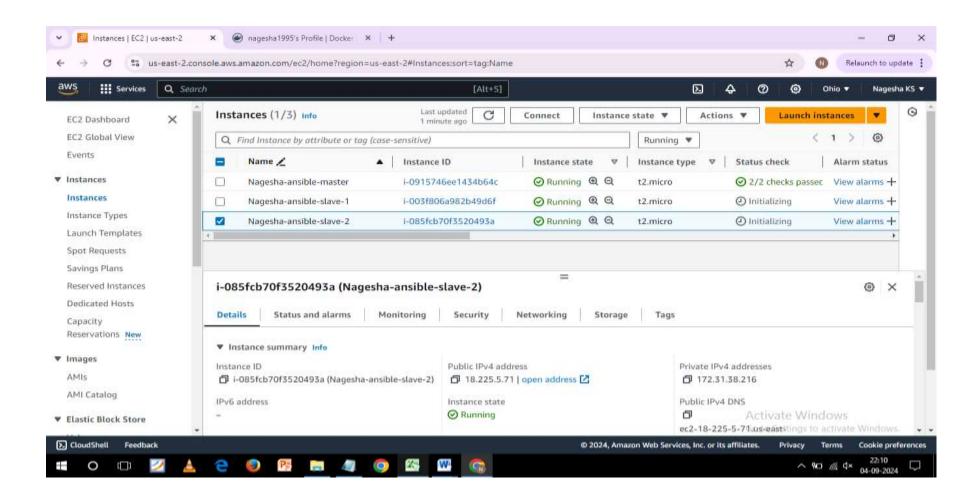
Tasks To Be Performed:

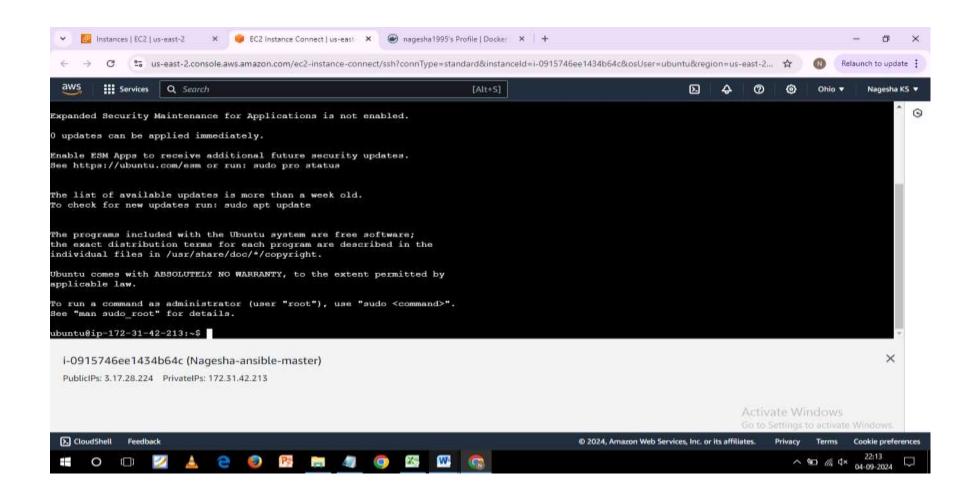
- 1. Setup Ansible cluster with 3 nodes
- 2. On slave 1 install Java
- 3. On slave 2 install MySQL server

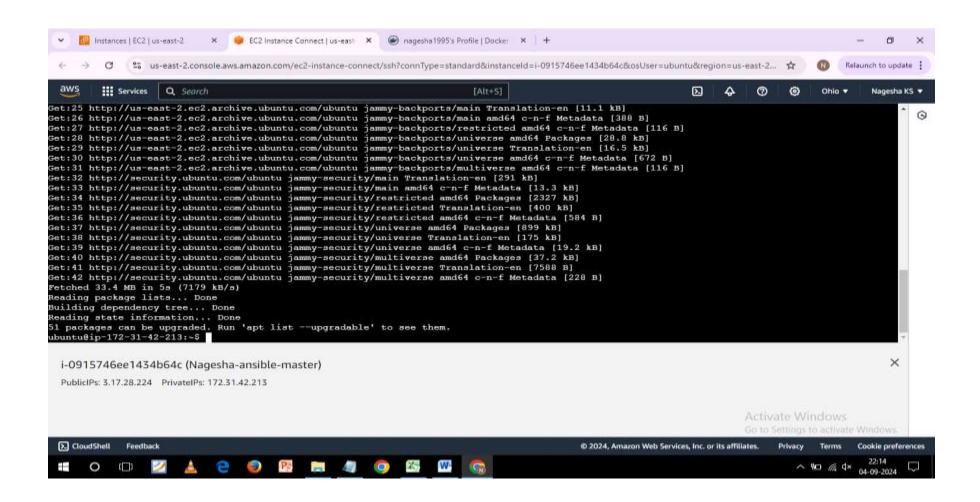
Do the above tasks using Ansible Playbooks

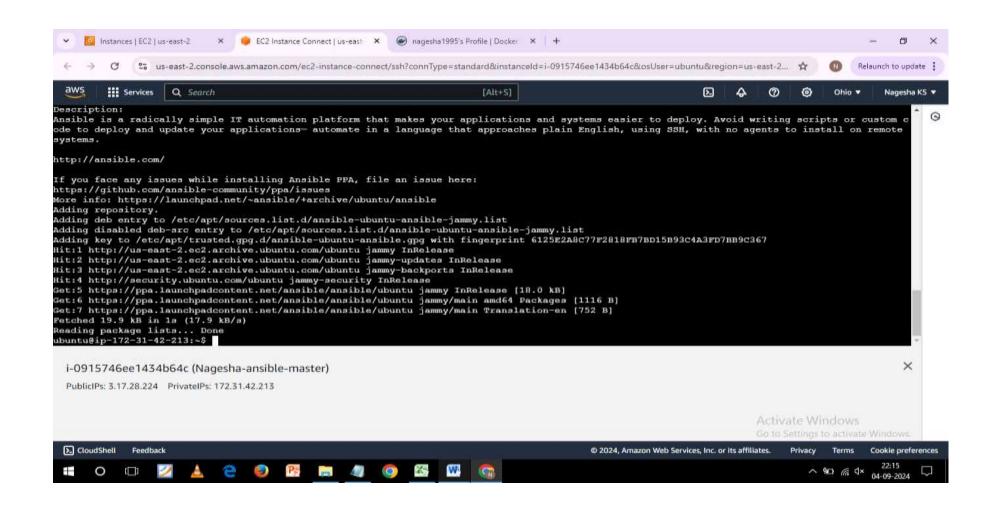


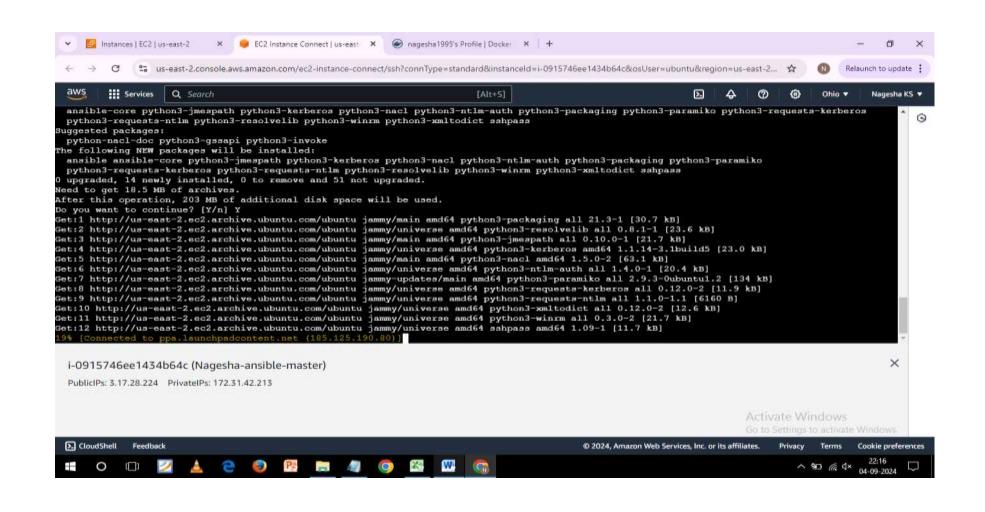


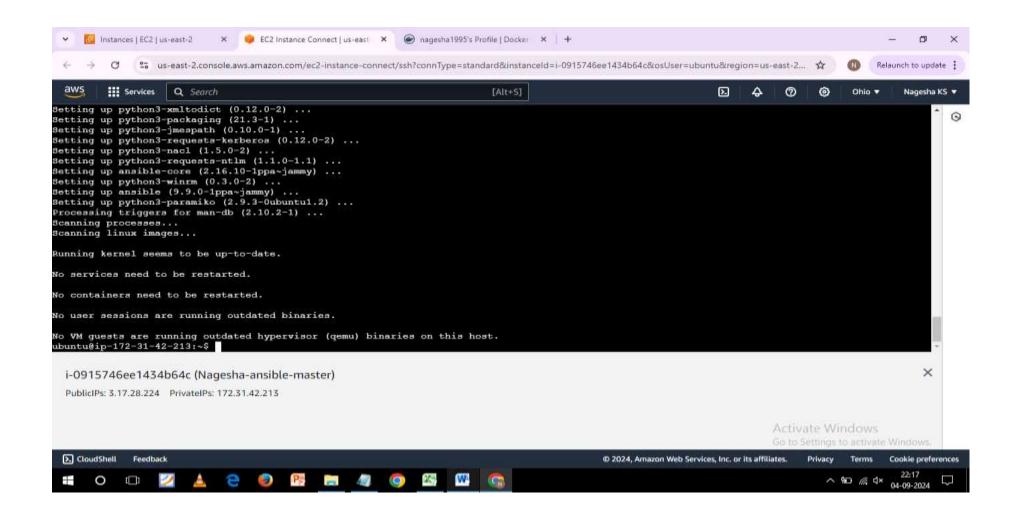


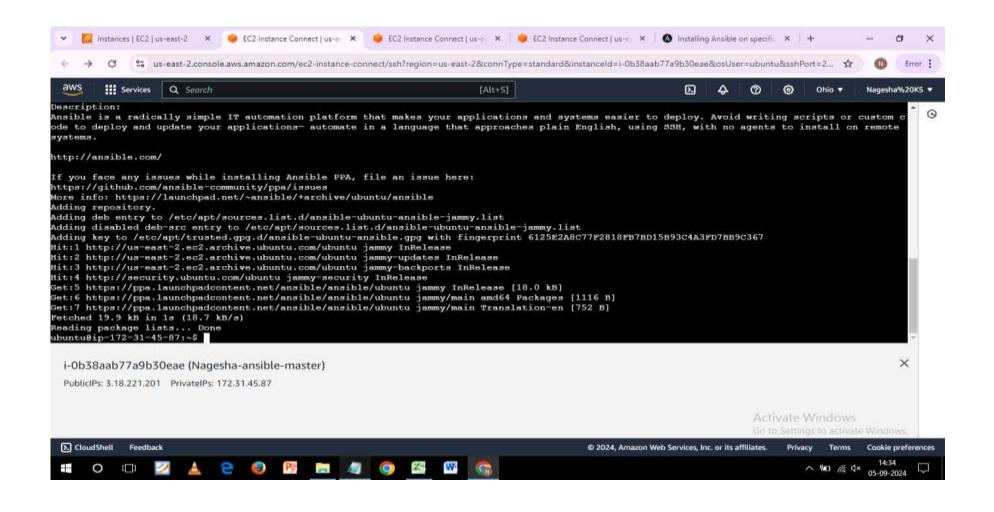


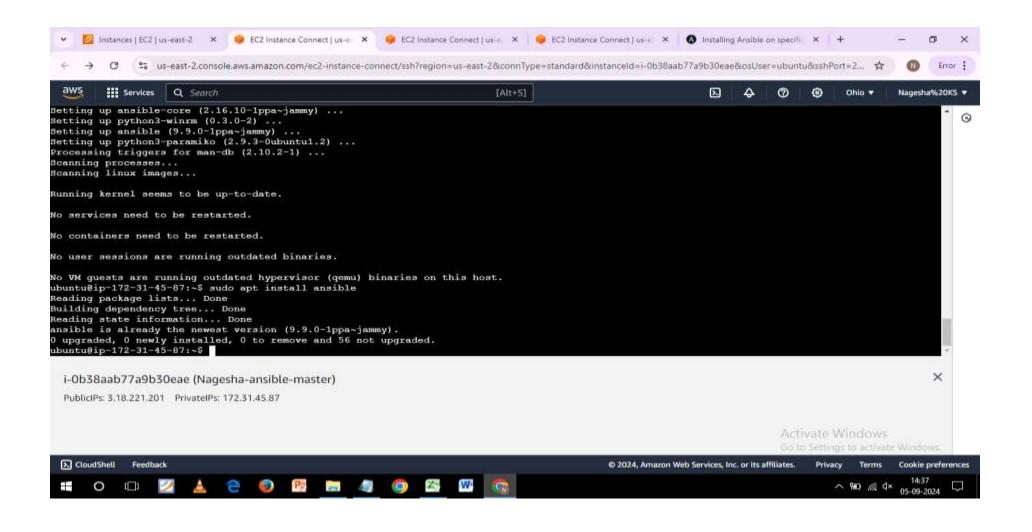


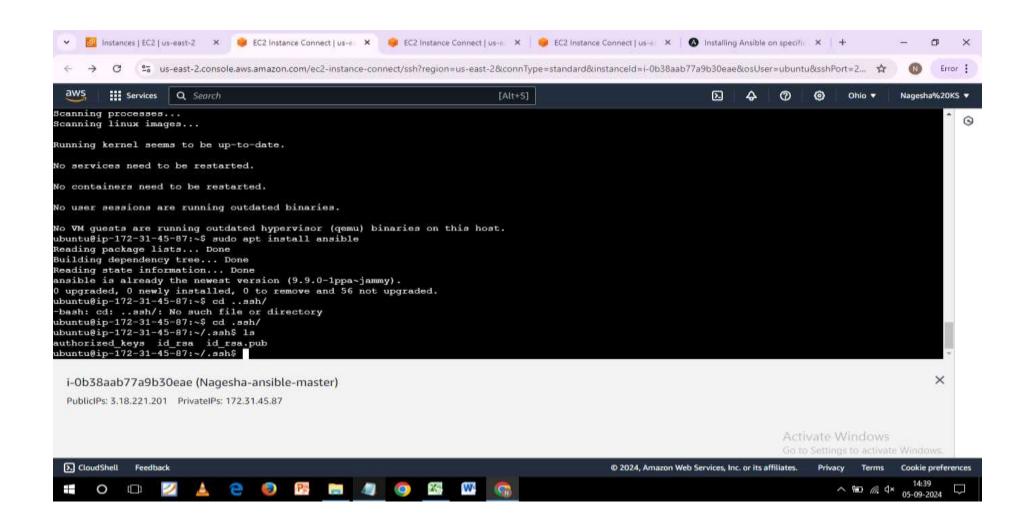


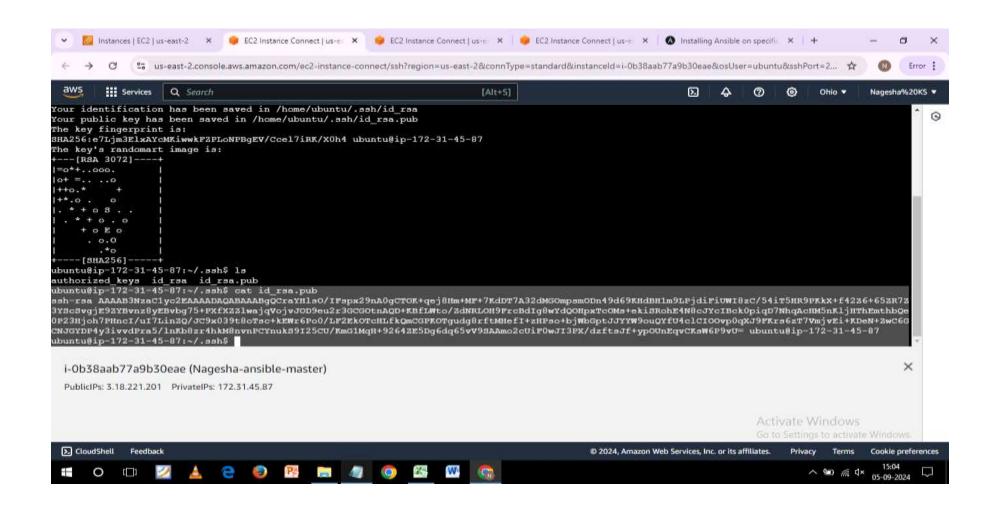


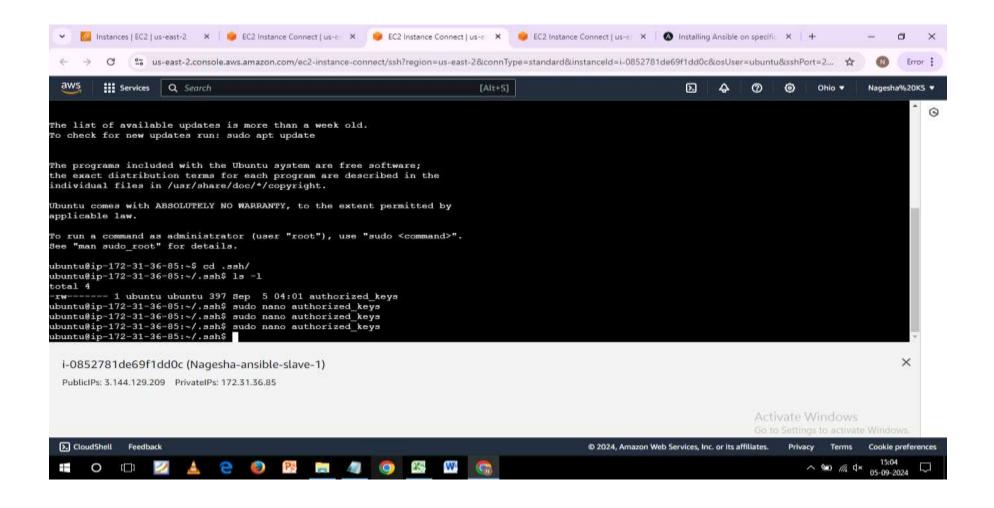


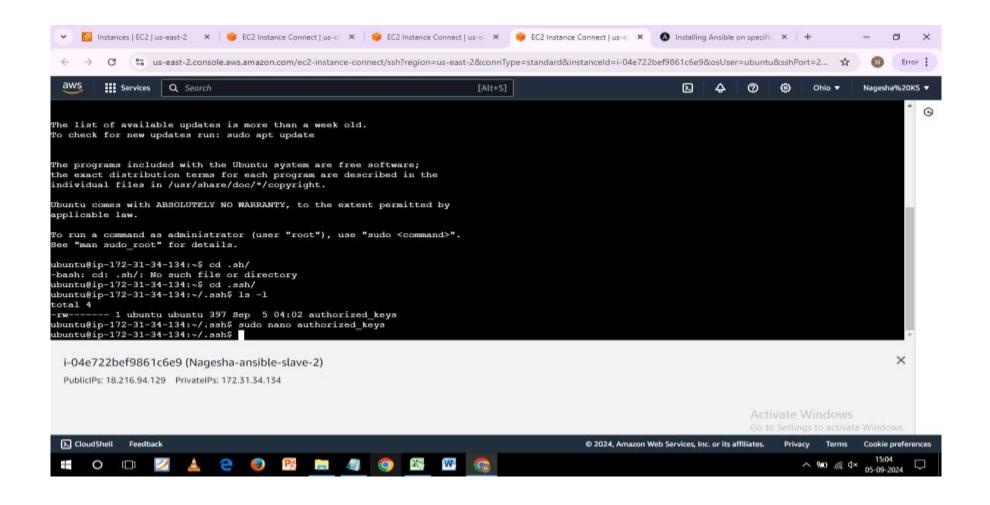


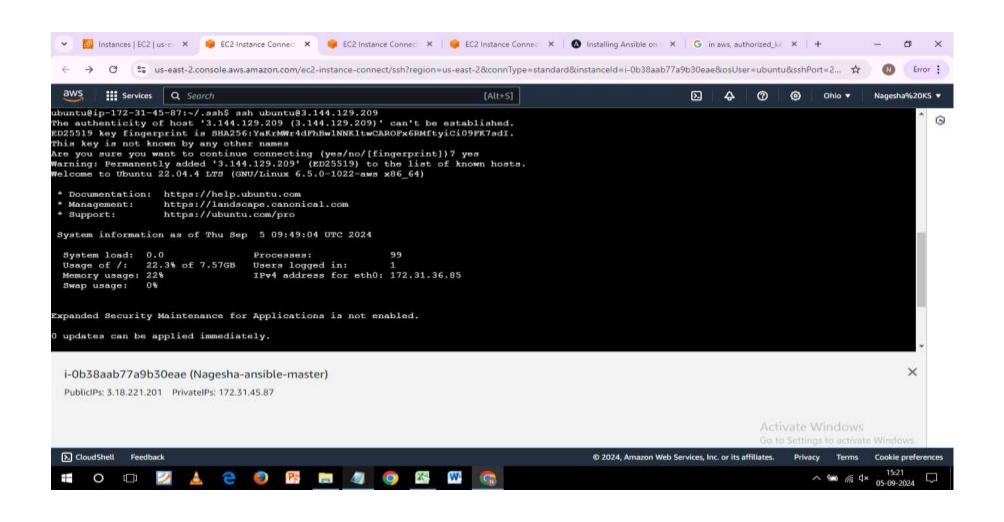


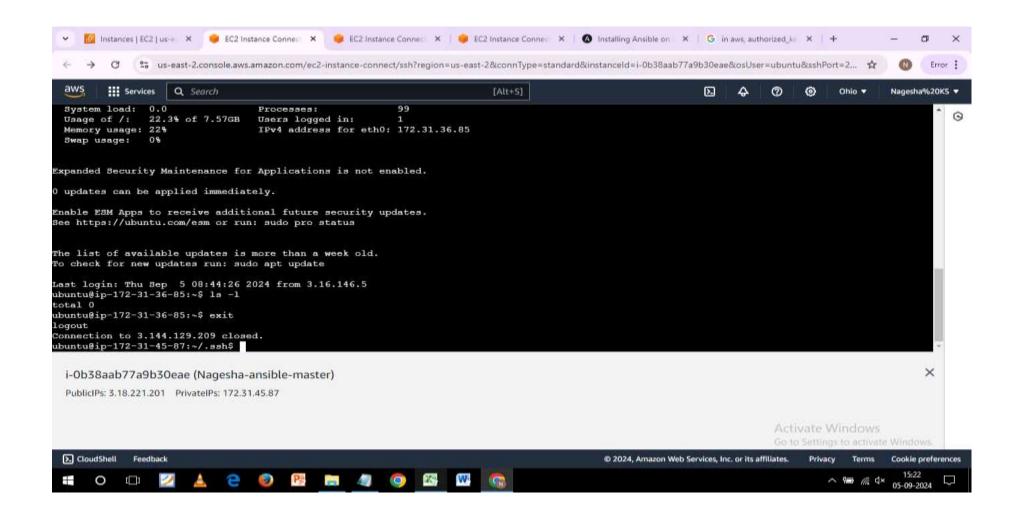


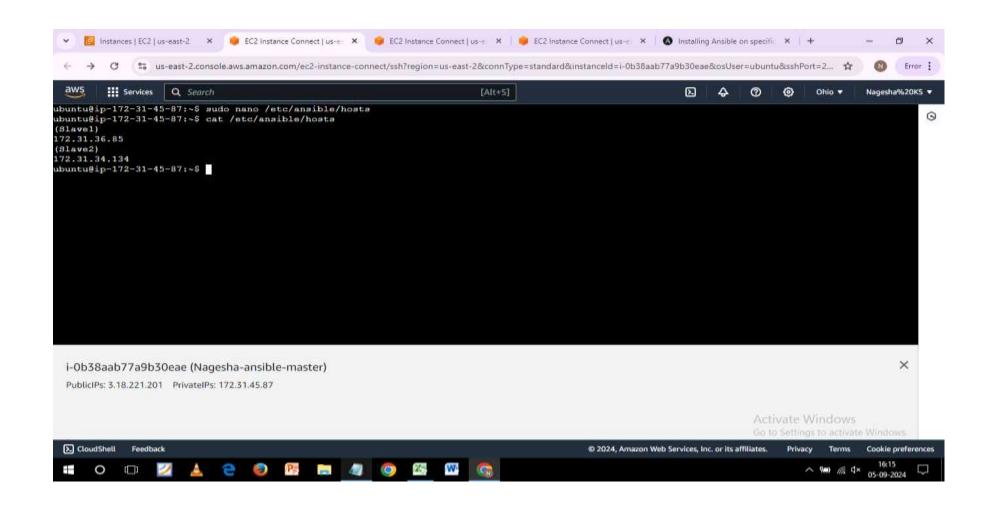


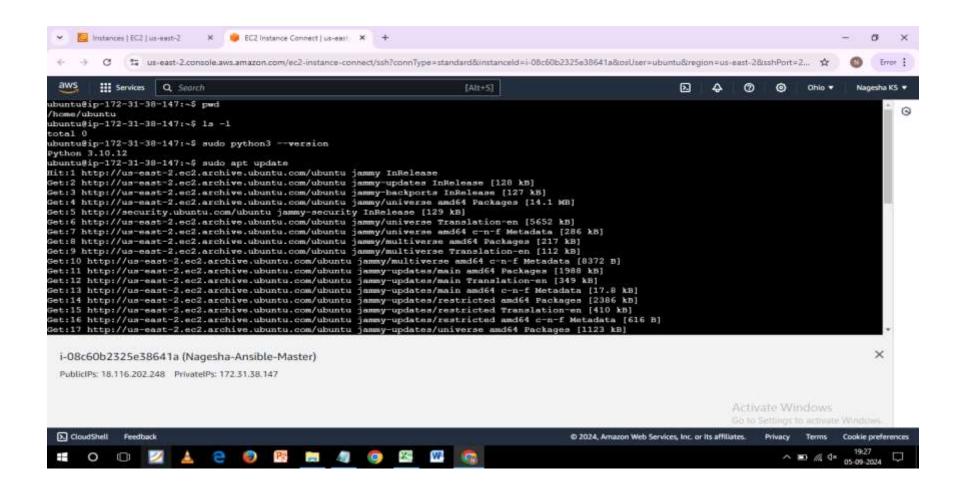












Ansible Commands

launch 3 EC2 instances and name them as follows:

Nagesha-Ansible-Master

Nagesha-Ansible-Slave-1

Nagesha-Ansible-Slave-2

SSH connection

create playbook

play1.yaml in the master (control machine) java and mysql are provided in play1.yaml

java in slave-1 mysql in slave2

Python is pre-requisite for Ansible Java is pre-requisite for Jenkins

python3 --version ## check python version

sudo python3 --version sudo apt update sudo apt install software-properties-common sudo add-apt-repository --yes --update ppa:ansible/ansible sudo apt install ansible

cd .ssh/

ls

ssh-keygen

ls

```
sudo cat id rsa
so, now we know that id_rsa is a private key and id_rsa.pub is public key
cat id_rsa.pub
go to Nagesha-ansible-slave-1 EC2 server
cd .ssh/
ls
## we get authorized_keys file
sudo nano authorized_keys
## the triner was adding the commands to codeshare.io so that the learners can download in their local machines but within 24 hours only
go to Nagesha-ansible-slave-2 EC2 server
cd .ssh/
ls
## we get authorized_keys file
sudo nano authorized_keys
## the triner was adding the commands to codeshare.io so that the learners can download in their local machines but within 24 hours only
```

do not delete or overwrite the above auhorized_keys. just paste copy here. Let public and private be in this file

copy slave-1 ec2 server public ip and go to master ec2 server ssh ubuntu@3.144.129.209 ## pubic ip of slave-1 ## connection is successfully established now you are in master ec2 server cd pwd

```
cd /etc/ansible/
pwd
ls -l
copy private IP of both slave-1 and slave-2 to hosts inside master ec2 server
sudo nano hosts
172.31.36.85
172.31.34.134
ansible -m ping all
go to master ec2 server
## to create playbook java in slve-1 and mysql in slave-2
go to home directory
cd # this will take you to home directory /home/ubuntu
now you are in /home/ubuntu
sudo nano play1.yaml
=-task for Slave1
 hosts:
go to master ec2 server
sudo nano /etc/ansible/hosts
(Slave1)
172.31.36.85
(Slave2)
172.31.34.134
sudo nano play1.yaml
=- name: Install Java on Slave1
 hosts: Slave1
 become: true
 tasks:
```

- name: Update apt cache apt: update_cache: yes - name: Install Java apt: name: openjdk-11-jdk state: latest =- name: Install MySQL on Slave2 hosts: Slave2 become: true tasks: - name: Update apt cache apt: update_cache: yes - name: Install MySQL apt: name: mysql-server state: latest ansible-playbook play1.yaml --syntax-check if no bug then, now do a dry run by running the play1.yaml script ansible-playbook play1.yaml --check # master ec2 server sudo apt update # slave-1 sudo apt update

slave-2 sudo apt update

now exeute playbook normally in master ec2 sever ansible-playbook play1.yaml