Module-6: Ansible Assignment - 5
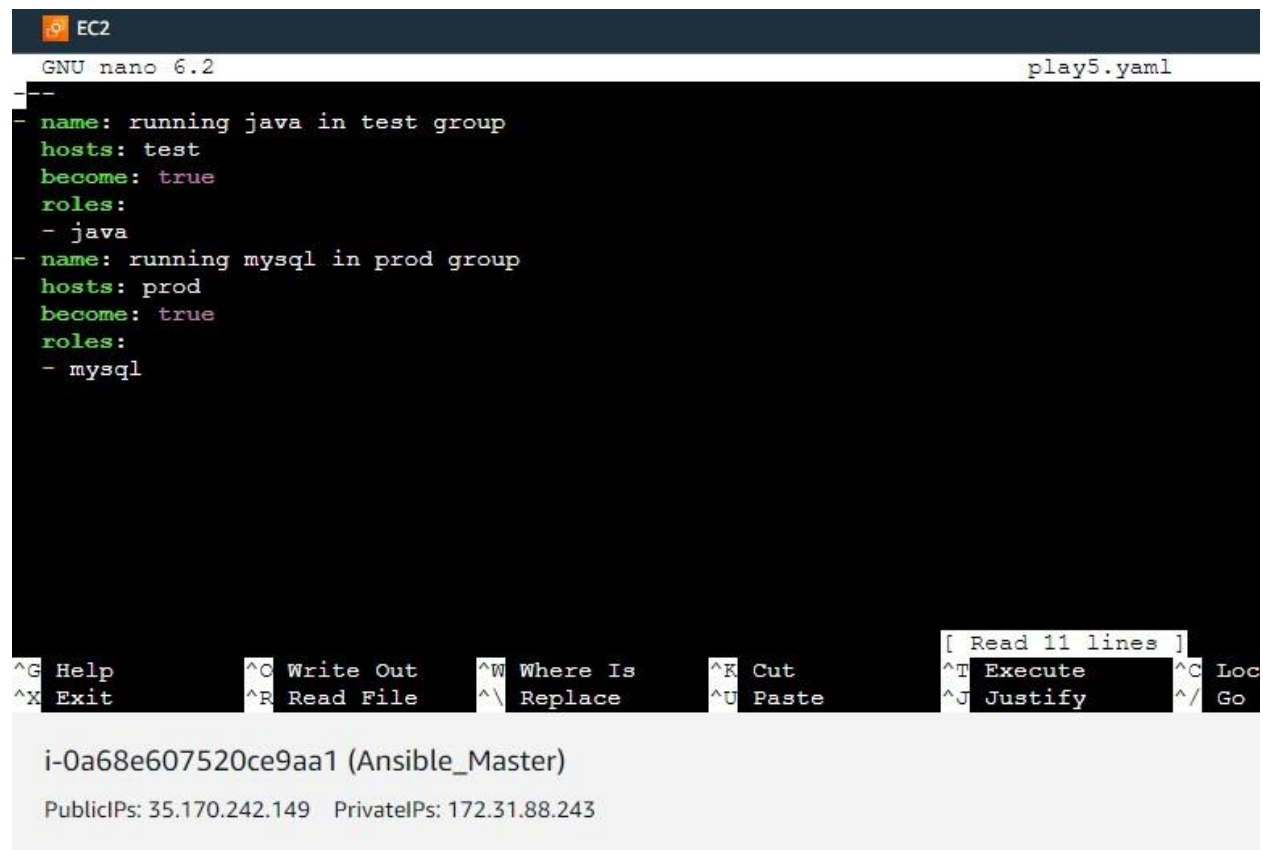
You have been asked to:

● **Create a new deployment of ansible cluster of 5 nodes**

● **Label 2 nodes as test and other 2 as prod**

● **Install java on test nodes**

● **Install mysql-server on prod nodes**

Use Anisble roles for the above, group the hosts under test and prod

This task can be achieved as follows

● **We need to create two more instances and named them as Slave3 and Slave4**

● **Change the group names in ansible/hosts as test for Slave1 and Slave3 ,prod for Slave2 and Slave4**

```
EC2
  GNU nano 6.2                                              play5.yaml
---
- name: running java in test group
  hosts: test
  become: true
  roles:
    - java
- name: running mysql in prod group
  hosts: prod
  become: true
  roles:
    - mysql




                                                    [ Read 11 lines ]
^G Help        ^O Write Out   ^W Where Is    ^K Cut        ^T Execute    ^C Loc
^X Exit        ^R Read File   ^\ Replace     ^U Paste      ^J Justify    ^/ Go
```

i-0a68e607520ce9aa1 (Ansible_Master)

PublicIPs: 35.170.242.149   PrivateIPs: 172.31.88.243

Then after successfully runs the playbook we can get the java and mysql in our test and prod servers as shown below

```
ubuntu@ip-172-31-33-148:~$ java --version
openjdk 11.0.21 2023-10-17
OpenJDK Runtime Environment (build 11.0.21+9-post-Ubuntu-0ubuntu122.04)
OpenJDK 64-Bit Server VM (build 11.0.21+9-post-Ubuntu-0ubuntu122.04, mixed mode, sharing)
ubuntu@ip-172-31-33-148:~$
```

i-0fbaa59283991b5ff (Ansible_Slave3)

PublicIPs: 18.234.39.88   PrivateIPs: 172.31.33.148

```
ubuntu@ip-172-31-45-76:~$ mysql --version
mysql  Ver 8.0.35-0ubuntu0.22.04.1 for Linux on x86_64 ((Ubuntu))
ubuntu@ip-172-31-45-76:~$
```

i-042c9033973843572 (Ansible_Slave4)

PublicIPs: 35.171.83.75   PrivateIPs: 172.31.45.76

Hence the task can be accomplished successfully.