

Q6)Ansible

1)Created the role Skeleton

2)Created Template file

3)Created a playbook to use the Role

4)created Inventory file

```
master@master-vm:~$ ansible-galaxy init python_app_deploy
- Role python_app_deploy was created successfully
master@master-vm:~$ ls
ansible-webserver  Documents      ecommerce-webapplication  microservices  Music  Pictures  Q3  Videos
Desktop            Downloads      flask-kube               Microservices  nginx-pod.yml  Public  Templates  webserver_setup
devops-commontrack-mocktest  ecommerce-microservices  k8s-multi-tenant      multi-tier-application  package_update  python_app_deploy  test_1
master@master-vm:~$ cd python_app_deploy/templates
master@master-vm:~/python_app_deploy/templates$ nano config.yml.j2
master@master-vm:~/python_app_deploy/templates$ cd ../tasks
master@master-vm:~/python_app_deploy/tasks$ nano main.yml
master@master-vm:~/python_app_deploy/tasks$ cd ../../
master@master-vm:~$ nano deploy_python_app.yml
master@master-vm:~$ nano inventory.ini
```

5)Created inventory.ini file

```
GNU nano 4.8 inventory.ini
[all]
192.168.147.129 ansible_user=worker1
192.168.147.130 ansible_user=worker2

[all:vars]
ansible_ssh_pass=root@123
ansible_become_password=root@123
ansible_python_interpreter=/usr/bin/python3
```

6)Run the Playbook

```
master@master-vm:~$ nano inventory.ini
master@master-vm:~$ ansible-playbook -i inventory.ini deploy_python_app.yml --ask-become-pass
BECOME password:

PLAY [Deploy Python app with config] *****

TASK [Gathering Facts] *****
ok: [192.168.147.130]
ok: [192.168.147.129]

TASK [python_app_deploy : Install Python3] *****
ok: [192.168.147.129]
ok: [192.168.147.130]

TASK [python_app_deploy : Ensure config directory exists] *****
ok: [192.168.147.129]
changed: [192.168.147.130]

TASK [python_app_deploy : Deploy config file using template] *****
ok: [192.168.147.129]
changed: [192.168.147.130]

PLAY RECAP *****
192.168.147.129      : ok=4   changed=0    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
192.168.147.130     : ok=4   changed=2    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0
```