Question:

Create an Ansible role that installs Python3 and deploys a custom configuration file for the application. Task:

- i. Create an Ansible Role named python_app_deploy with the correct directory structure.
- ii. Ensure Python3 is installed as part of the role.
- iii. Place a template file named config.yml.j2 inside the templates/ directory.

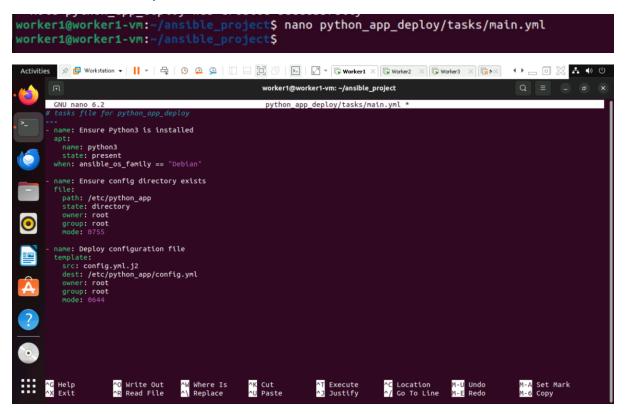
Use the template module in the role to copy config.yml.j2 to /etc/python_app/config.yml on the target machine.

Solution:

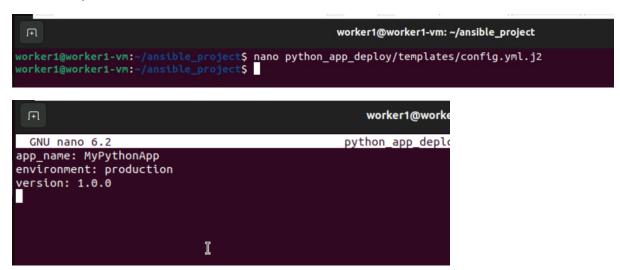
1. Create the Role on Worker1

```
worker1@worker1-vm:~/ansible$ mkdir -p ~/ansible_project && cd ~/ansible_project ansible-galaxy init python_app_deploy
- Role python_app_deploy was created successfully worker1@worker1-vm:~/ansible_project$
```

2. Add Task to Install Python3



3. Add Template File



4. Create Inventory file

worker1@worker1-vm:~\$ cd ansible_project/

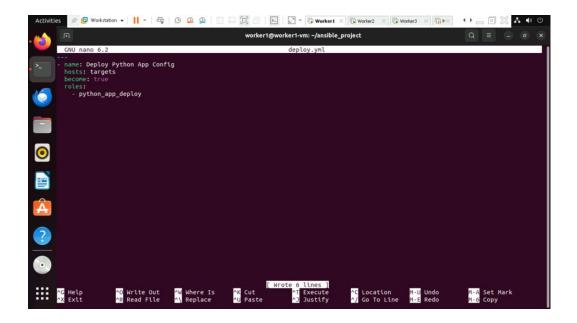
5. Create Playbook

^O Write Out ^R Read File

^W Where Is ^\ Replace

```
worker1@worker1-vm:~/ansible_project$ nano deploy.yml
worker1@worker1-vm:~/ansible_project$
```

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6. Run the playbook

