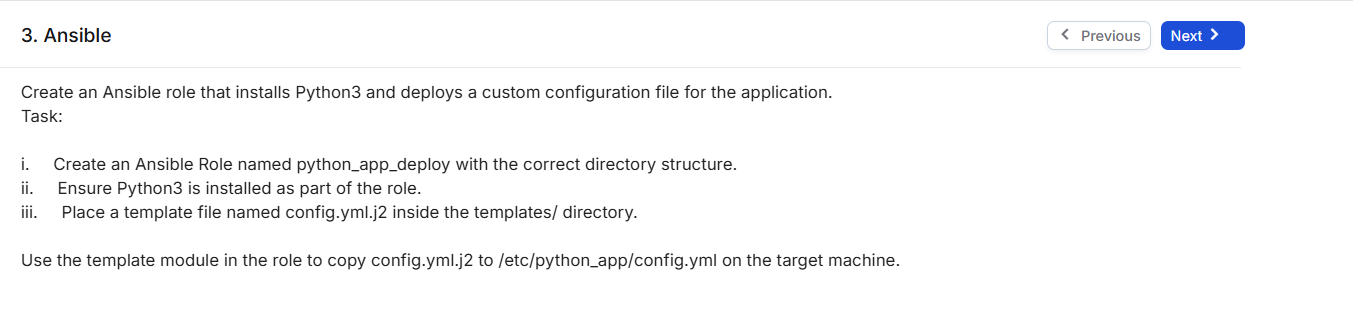
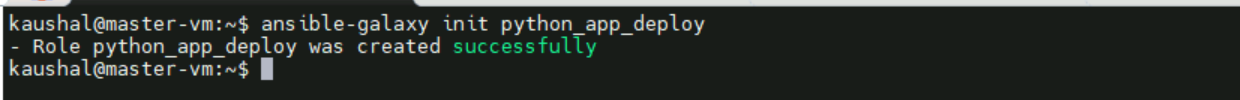
QUESTION 3



SOLUTION:

1. CREATING ROLE

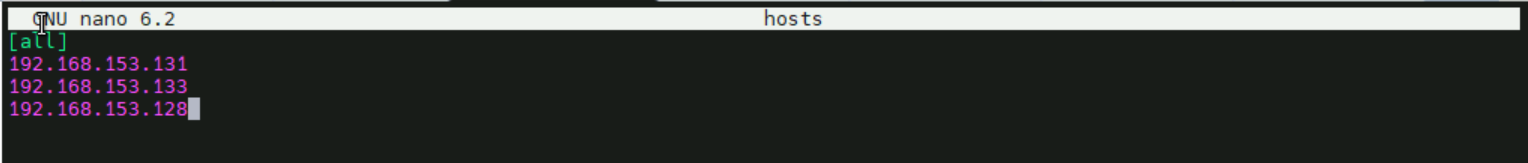


1. Created main.yml to define tasks for installing Python3 and deploying config.

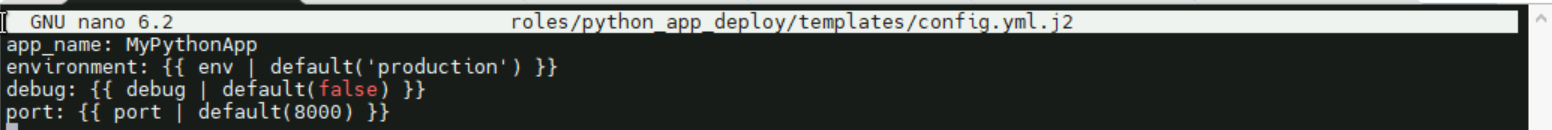
A black screen with white text

AI-generated content may be incorrect.

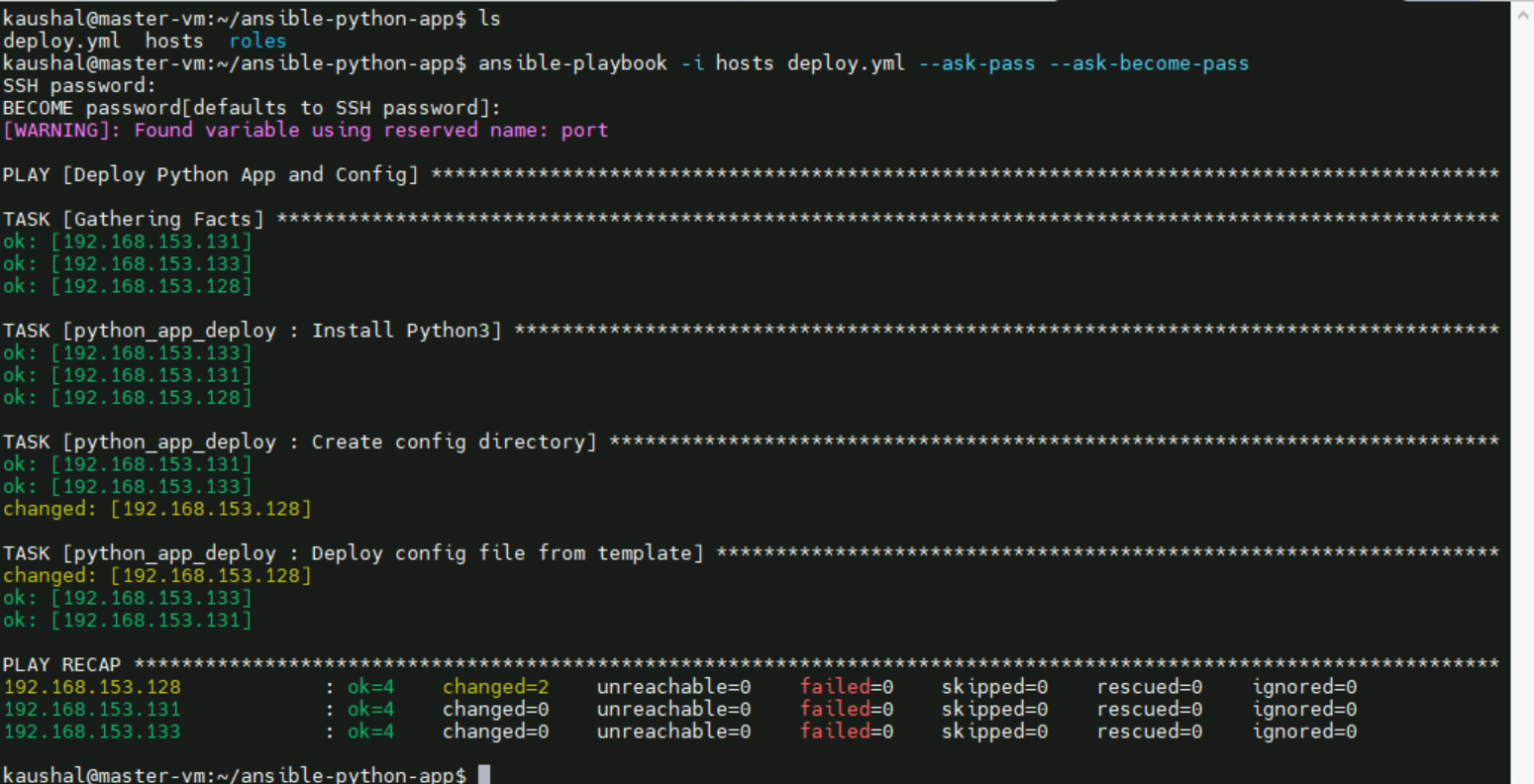
1. Created hosts file to define target machines for Ansible deployment.



1. Created .j2 file to generate config dynamically based on environment settings



1. OUTPUT



**ALL FILES :**

* **deploy.yaml file:**

---

- name: Deploy Python App and Config

 hosts: all

 become: yes

 vars:

   env: staging

   debug: true

   port: 8080

 roles:

   - python\_app\_deploy

* **hosts file**

[all]

192.168.153.131

192.168.153.133

192.168.153.128

* main.yml
* file inside roles/python\_app\_deploy/tasks/main.yml

---

- name: Install Python3

 ansible.builtin.package:

   name: python3

   state: present

- name: Create config directory

 ansible.builtin.file:

   path: /etc/python\_app

   state: directory

   mode: '0755'

- name: Deploy config file from template

 ansible.builtin.template:

   src: config.yml.j2

   dest: /etc/python\_app/config.yml

   mode: '0644'