Question:

You ran an Ansible playbook to install Python3 on multiple servers, but it failed on one of the servers. The error message was:

fatal: [server2]: failed! => {"msg": "no package matching 'python3' found available"} Questions:

- i. Why did this error occur?
- ii. How can you modify your playbook to handle this issue dynamically using Ansible Facts?
- iii. Write a playbook snippet that ensures Python3 gets installed correctly on any Linux distribution.

Solutions:

i. Why did the error occur?

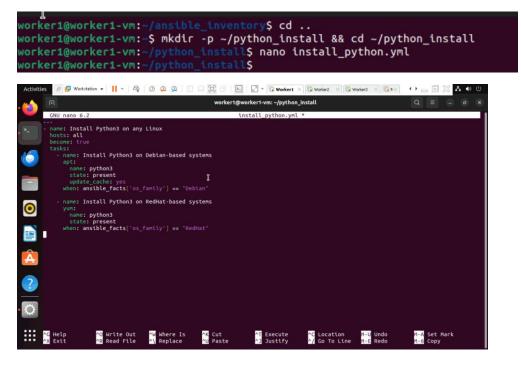
Because the playbook used name: python3, but on some systems, the package name might be python36 or python3.x, and not python3.

ii. How to fix?

Use Ansible facts to install the correct package based on the OS type (Debian vs RedHat).

iii. Playbook Snippet: Cross-Platform Python3 Install

1. Create Playbook



2. Create Inventory file

```
worker1@worker1-vm:~/python_install$ nano hosts
worker1@worker1-vm:~/python_install$

worker1@worker1-vm:~/python_install$

Worker1@worker1-vm:~/python_install

GNU nano 6.2 hosts *

[all]
worker1 ansible_host=192.168.153.131 ansible_user=worker1 ansible_become=true
worker2 ansible_host=192.168.153.133 ansible_user=worker2 ansible_become=true
```

3. Run the playbook