

## Question6

- 1) Python3 packages is not there
- 2) Based on os family we can define package

## Playbook

```
dev@master-vm:~$ cat pythoninstall.yml
---
- name: Install Python3 based on OS family
  hosts: all
  become: true
  gather_facts: true

  tasks:
    - name: Install Python3 on Debian/Ubuntu
      apt:
        name: python3
        state: present
        update_cache: yes
        when: ansible_os_family == "Debian"

    - name: Install Python3 on RHEL/CentOS
      yum:
        name: python3
        state: present
        when: ansible_os_family == "RedHat"
dev@master-vm:~$
```

## Running

```
dev@master-vm:~$ ansible-playbook -i inventory pythoninstall.yml -K
BECOME password:

PLAY [Install Python3 based on OS family] *****

TASK [Gathering Facts] *****
[WARNING]: Platform linux on host 192.168.153.133 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of
another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-
core/2.17/reference_appendices/interpreter_discovery.html for more information.
ok: [192.168.153.133]
[WARNING]: Platform linux on host 192.168.153.131 is using the discovered Python interpreter at /usr/bin/python3.10, but future installation of
another Python interpreter could change the meaning of that path. See https://docs.ansible.com/ansible-
core/2.17/reference_appendices/interpreter_discovery.html for more information.
ok: [192.168.153.131]

TASK [Install Python3 on Debian/Ubuntu] *****
ok: [192.168.153.131]
ok: [192.168.153.133]

TASK [Install Python3 on RHEL/CentOS] *****
skipping: [192.168.153.131]
skipping: [192.168.153.133]

PLAY RECAP *****
192.168.153.131      : ok=2    changed=0    unreachable=0    failed=0    skipped=1    rescued=0    ignored=0
192.168.153.133      : ok=2    changed=0    unreachable=0    failed=0    skipped=1    rescued=0    ignored=0
Activate Windows
```