## Q6 ANSIBLE ABDUL SAMIM

- 1. The reason for error is that the python3 package name does not exist or is not available in the package manager on server2.
  - This can happen due to a number of reasons such as different linux distributions, system's package cache is outdated or minimal installations.
- 2. We can use Ansible facts, specifically ansible\_os\_family and ansible\_distribution to conditionally install the correct package name based on the linux distribution.

3.

```
GNU nano 6.2
                                                             snippet.yaml
name: Ensure Python 3 is installed on any Linux distro
hosts: all
become: yes
  - name: Install Python 3 on Debian/Ubuntu
    apt:
     name: python3
      state: present
     update cache: yes
    when: ansible_os_family == "Debian"
  - name: Install Python 3 on RedHat/CentOS/AlmaLinux/Rocky
    yum:
      name: python3
      state: present
   when: ansible_os_family == "RedHat"
  - name: Install Python 3 on SUSE
    zypper:
      name: python3
      state: present
    when: ansible_os_family == "Suse"
```