Q2)Ansible

- 1)create an inventory file
- 2)create playbook create_user.yml
- 3)Test connection

```
naster@master-vm:-$ ansible --version
ansible [core 2.12.10]
config file = /etc/ansible/ansible.cfg
configured module search path = ['/home/master/.ansible/plugins/modules', '/usr/share/ansible/plugins/modules']
ansible python module location = /home/master/.ansible/collections:/usr/share/ansible/collections
executable location = /usr/bin/ansible
python version = 3.8.10 (default, Mar 18 2025, 20:04:55) [GCC 9.4.0]
jinja version = 2.10.1
libyaml = True
master@master-vm:-$ nano create_user.yml
master@master-vm:-$ nano create_user.yml
master@master-vm:-$ cd test_1/
master@master-vm:-/test_1$ nano inventory.ini
master@master-vm:-/test_1$ nano inventory.ini
master@master-vm:-/test_1$ nano create_user.yml
master@master-vm:-/test_1$ ansible -i inventory.ini all -m ping
192.108.147.130 | SUCCESS => {
    "ansible_facts": {
        "discovered_interpreter_python": "/usr/bin/python3"
        ",
        "changed": false,
        "ping": "pong"
}

}

/*changed": false,
    "ping": "pong"
}

/*changed": false,
    "ping": "pong"
}
```

4)Run the playbook

```
Master@master-vm:-/test_i$ ansible-playbook -i inventory.ini create_user.yml --ask-become-pass

BECOME password:

TASK [Cathering Facts]

ok: [192.108.147.138]

ok: [192.108.147.129]

TASK [Ensure the sudousers group exists]

changed: [192.108.147.129]

TASK [Create user with home directory]

changed: [192.108.147.130]

changed: [192.10
```

5) Verify the user on remote machines

```
Melcome to Ubuntu 20.04.6 LTS (GNU/Linux 5.15.0-136-generic x86_64)

* Documentation: https://help.ubuntu.com
    * Management: https://landscape.canonical.com
    * Support: https://ubuntu.com/proid devuser
ls -ld /home/devuser

Expanded Security Maintenance for Applications is not enabled.
7 updates can be applied immediately.
To see these additional updates run: apt list --upgradable
1 additional security update can be applied with ESM Apps.
Learn more about enabling ESM Apps service at https://ubuntu.com/esm
New release '22.04.5 LTS' available.
Run 'do-release-upgrade' to upgrade to it.
Your Hardware Enablement Stack (HWE) is supported until April 2025.
Last login: Thu Apr 10 10:13:14 2025 from 192.168.147.128
worker1@worker1-vm:~$ id devuser
uid=1001(devuser) gid=1002(devuser) groups=1002(devuser),1001(sudousers)
worker1@worker1-vm:~$ Is -ld /home/devuser
drwxr-xr-x 2 devuser devuser 4096 Apr 10 10:13 /home/devuser
worker1@worker1-vm:~$ Is -ld /home/devuser
```