

## Q5)Ansible

1)create ineventory.ini file

2)create directory site\_content for web content

```
master@master-vm:~$ mkdir ~/webserver_setup
master@master-vm:~$ cd ~/webserver_setup
master@master-vm:~/webserver_setup$ nano inventory.ini
master@master-vm:~/webserver_setup$ mkdir site_content
master@master-vm:~/webserver_setup$ echo "<h1>Hello from Ansible Web Server</h1>" > site_content/index.html
```

3)create playbook webserver.yml

4)Run the playbook

```
master@master-vm:~/webserver_setup$ nano webserver.yml
master@master-vm:~/webserver_setup$ ansible-playbook -i inventory.ini webserver.yml --ask-become-pass
BECOME password:

PLAY [Set up web server on Ubuntu or RedHat] *****

TASK [Gathering Facts] *****
ok: [192.168.147.130]
ok: [192.168.147.129]

TASK [Install web server depending on OS] *****
ok: [192.168.147.130]
ok: [192.168.147.129]

TASK [Check web server version] *****
changed: [192.168.147.130]
changed: [192.168.147.129]

TASK [Show installed web server version] *****
ok: [192.168.147.130] => {
  "version_output.stdout_lines": [
    "Server version: Apache/2.4.41 (Ubuntu)",
    "Server built: 2025-04-02T18:34:29"
  ]
}
ok: [192.168.147.129] => {
  "version_output.stdout_lines": [
    "Server version: Apache/2.4.41 (Ubuntu)",
    "Server built: 2025-04-02T18:34:29"
  ]
}

TASK [Copy website content] *****
changed: [192.168.147.130]
changed: [192.168.147.129]

TASK [Start and enable web server] *****
ok: [192.168.147.129]
ok: [192.168.147.130]

RUNNING HANDLER [Restart web service] *****
changed: [192.168.147.130]
changed: [192.168.147.129]
```

5)Then verify

```
TASK [Start and enable web server] *****
ok: [192.168.147.129]
ok: [192.168.147.130]

RUNNING HANDLER [Restart web service] *****
changed: [192.168.147.130]
changed: [192.168.147.129]

PLAY RECAP *****
192.168.147.129      : ok=7  changed=3  unreachable=0  failed=0  skipped=0  rescued=0  ignored=0
192.168.147.130      : ok=7  changed=3  unreachable=0  failed=0  skipped=0  rescued=0  ignored=0

master@master-vm:~/webserver_setup$ curl http://192.168.147.129
<h1>Hello from Ansible Web Server</h1>
master@master-vm:~/webserver_setup$ curl http://192.168.147.130
<h1>Hello from Ansible Web Server</h1>
master@master-vm:~/webserver_setup$
```

Output

