

Name: Lekshmi Balan

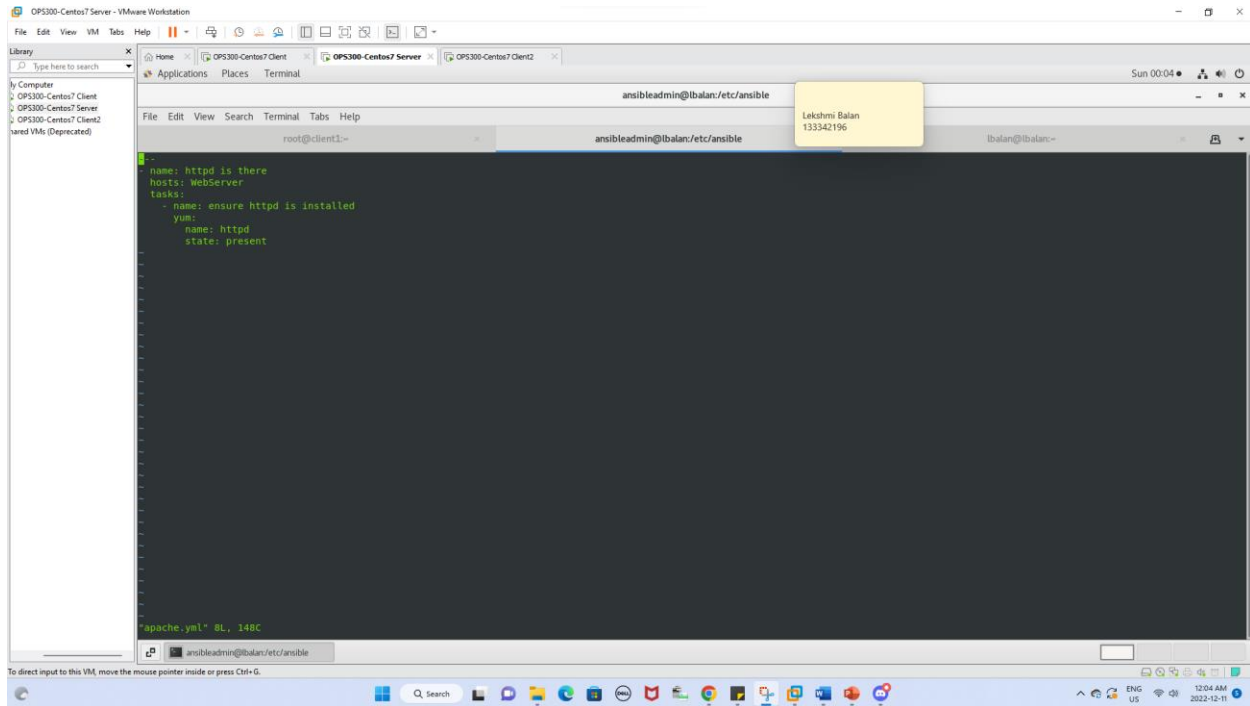
Student Number: 133342196

Lab 4

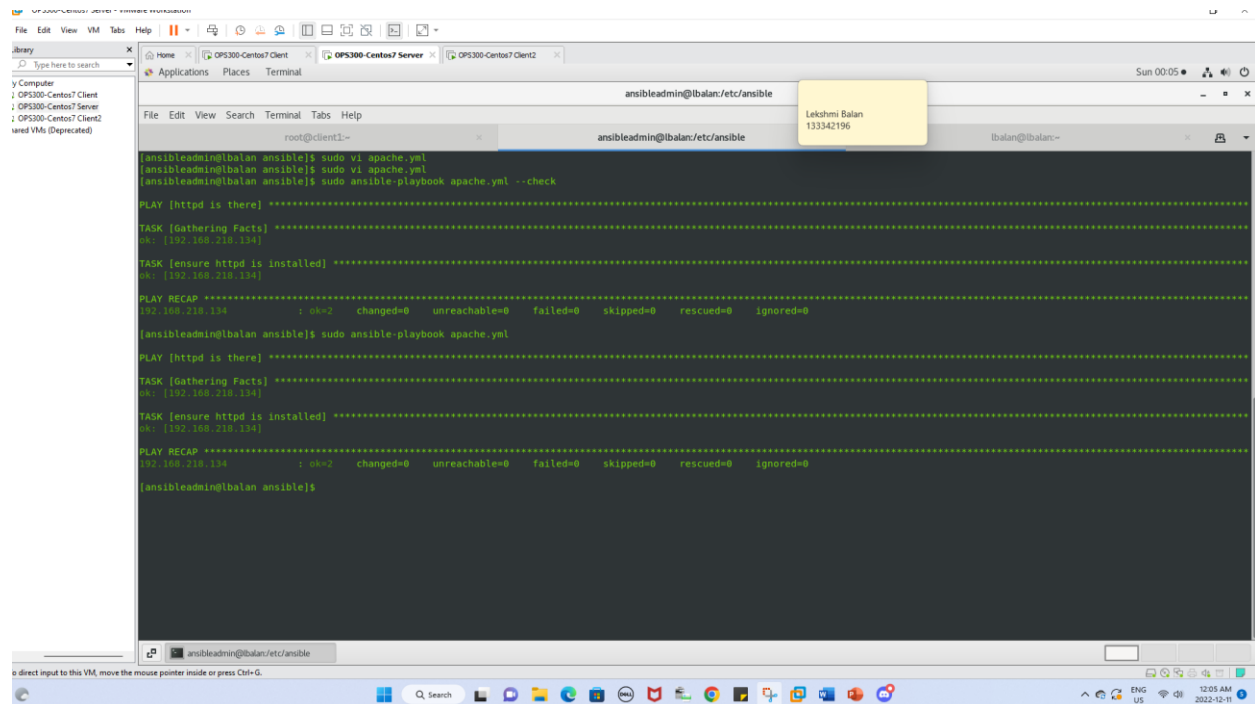
Part 1

- Write a playbook to Install the Apache web server and confirm that it's installed

Playbook: apache.yml



OPS 300



```
ansibleadmin@ibalan:/etc/ansible
File Edit View Search Terminal Tabs Help

root@client1:~
[ansibleadmin@ibalan ansible]$ sudo vi apache.yml
[ansibleadmin@ibalan ansible]$ sudo ansible-playbook apache.yml --check

PLAY [httpd is there] *****
OK: [192.168.210.134]

TASK [Gathering Facts] *****
OK: [192.168.210.134]

TASK [ensure httpd is installed] *****
OK: [192.168.210.134]

PLAY RECAP *****
192.168.210.134 : ok=2 changed=0 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

[ansibleadmin@ibalan ansible]$ sudo ansible-playbook apache.yml

PLAY [httpd is there] *****
OK: [192.168.210.134]

TASK [Gathering Facts] *****
OK: [192.168.210.134]

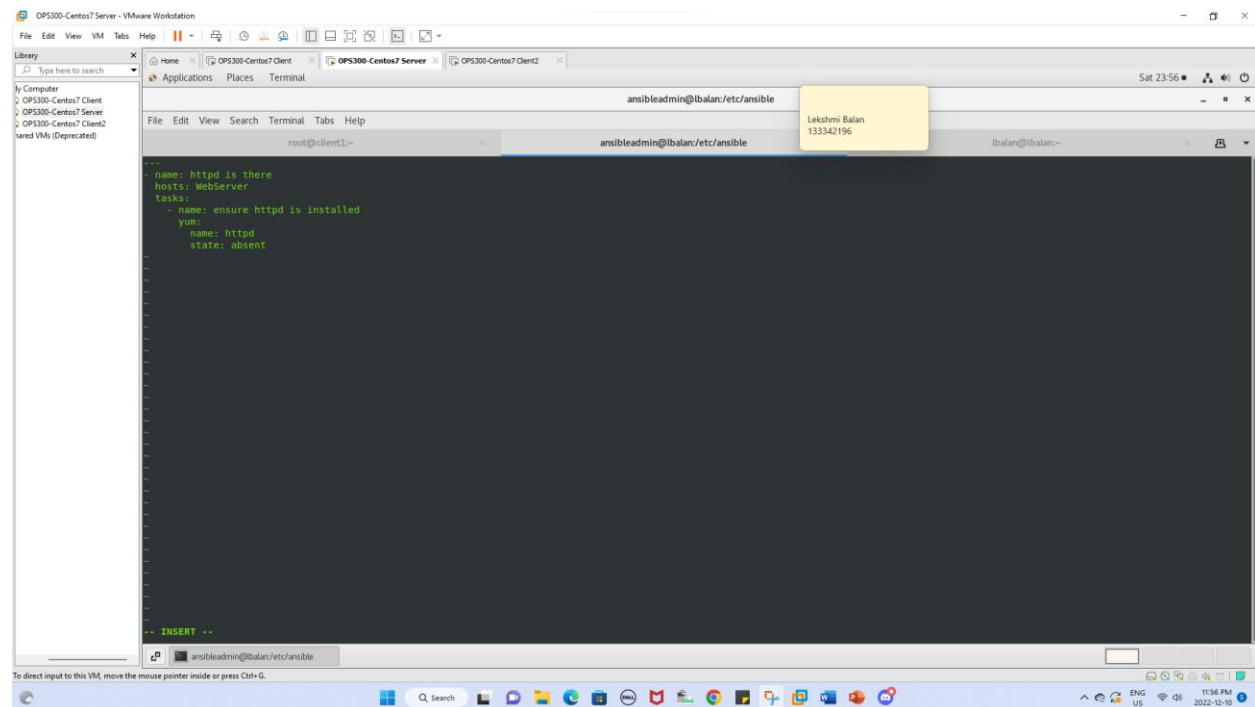
TASK [ensure httpd is installed] *****
OK: [192.168.210.134]

PLAY RECAP *****
192.168.210.134 : ok=2 changed=0 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

[ansibleadmin@ibalan ansible]$
```

- Write a playbook to uninstall the Apache web server. Run the play and confirm that it is uninstalled

Playbook: httpd.yml



```
ansibleadmin@ibalan:/etc/ansible
File Edit View Search Terminal Tabs Help

root@client1:~
--
- name: httpd is there
  hosts: WebServer
  tasks:
    - name: ensure httpd is installed
      yum:
        name: httpd
        state: absent

-- INSERT --
```

OPS 300

The screenshot shows a VMware Workstation interface with a single virtual machine named 'OPS300-CentOS7 Server' running. The main window displays a terminal session for the user 'ansibleadmin' at the host 'lbalan'. The terminal shows the execution of an Ansible playbook named 'httpd.yml'. The output indicates that the 'httpd' service is being installed and started on the host '192.168.210.134'. The playbook consists of two plays: 'httpd is there' and 'ensure httpd is installed'. Both plays are successful, with the first play gathering facts and the second play ensuring the service is installed. The terminal output is as follows:

```
[ansibleadmin@lbalan ansible]$ sudo vi httpd.yml
[ansibleadmin@lbalan ansible]$ sudo ansible-playbook httpd.yml --check

PLAY [httpd is there] *****
TASK [Gathering Facts] *****
ok: [192.168.210.134]

TASK [ensure httpd is installed] *****
changed: [192.168.210.134]

PLAY RECAP *****
192.168.210.134 : ok=2 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

[ansibleadmin@lbalan ansible]$ sudo ansible-playbook httpd.yml

PLAY [httpd is there] *****
TASK [Gathering Facts] *****
ok: [192.168.210.134]

TASK [ensure httpd is installed] *****
changed: [192.168.210.134]

PLAY RECAP *****
192.168.210.134 : ok=2 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ignored=0

[ansibleadmin@lbalan ansible]$
```

The VMware Workstation window also shows a sidebar with a list of virtual machines, including 'OPS300-CentOS7 Client', 'OPS300-CentOS7 Server', 'OPS300-CentOS7 Client2', and 'varied VMs (Deprecated)'. The bottom status bar indicates the system is running on a Windows 10 host, with the date and time set to 'Sat 23:57' and '2022-12-10'.

- Playbook: apache.yml

