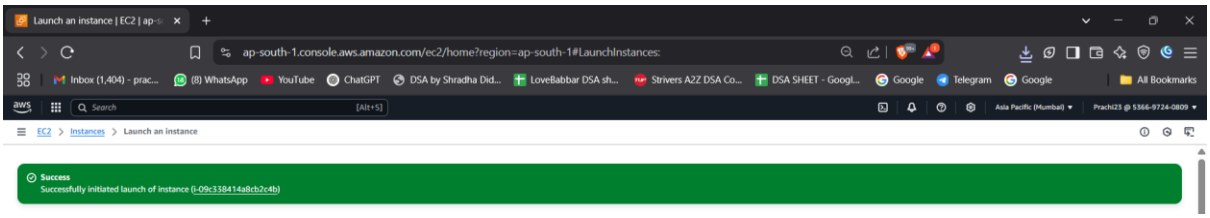
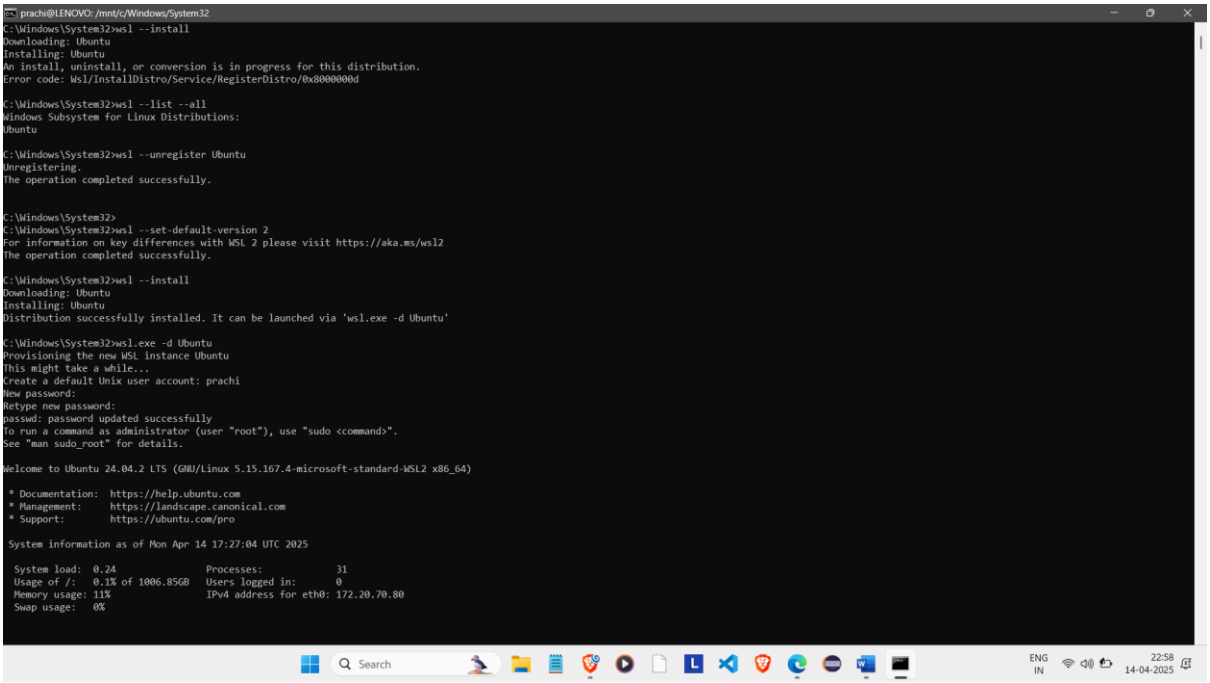
ASSIGNMENT NO : 08

1. Create an EC2 instance.

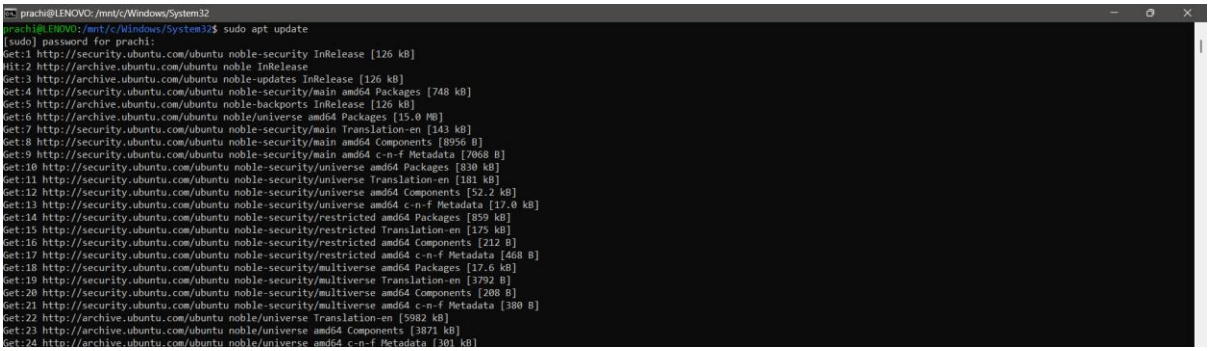


Note: Download and Save the .pem Key File and Change Key Permissions (Required by SSH).

2. Install Ubuntu for windows subsystem environment.



3. Install ansible.



```
prachi@LENOVO:/mnt/c/Windows/System32$ sudo apt install ansible -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  ansible-core ieee-data python3-argcomplete python3-dnspython python3-jmespath python3-kerberos
  python3-libcloud python3-lockfile python3-netaddr python3-ntlm-auth python3-packaging
  python3-passlib python3-requests-ntlm python3-resolvelib python3-selinux python3-simplejson
  python3-winrm python3-xmltodict
Suggested packages:
  cowsay sshpass python3-trio python3-aioquic python3-h2 python3-httpx python3-httpcore
  python-lockfile-doc ipython3 python-netaddr-docs
```

4. Move Your EC2 Key Pair (.pem) to Ubuntu.

```
prachi@LENOVO:/mnt/c/Windows/System32$ mkdir -p ~/.ssh
prachi@LENOVO:/mnt/c/Windows/System32$ cp /mnt/c/Users/prach/Desktop/Ansible_Practical/ansible_keypair.pem ~/.ssh
prachi@LENOVO:/mnt/c/Windows/System32$ chmod 400 ~/.ssh/ansible_keypair.pem
prachi@LENOVO:/mnt/c/Windows/System32$
```

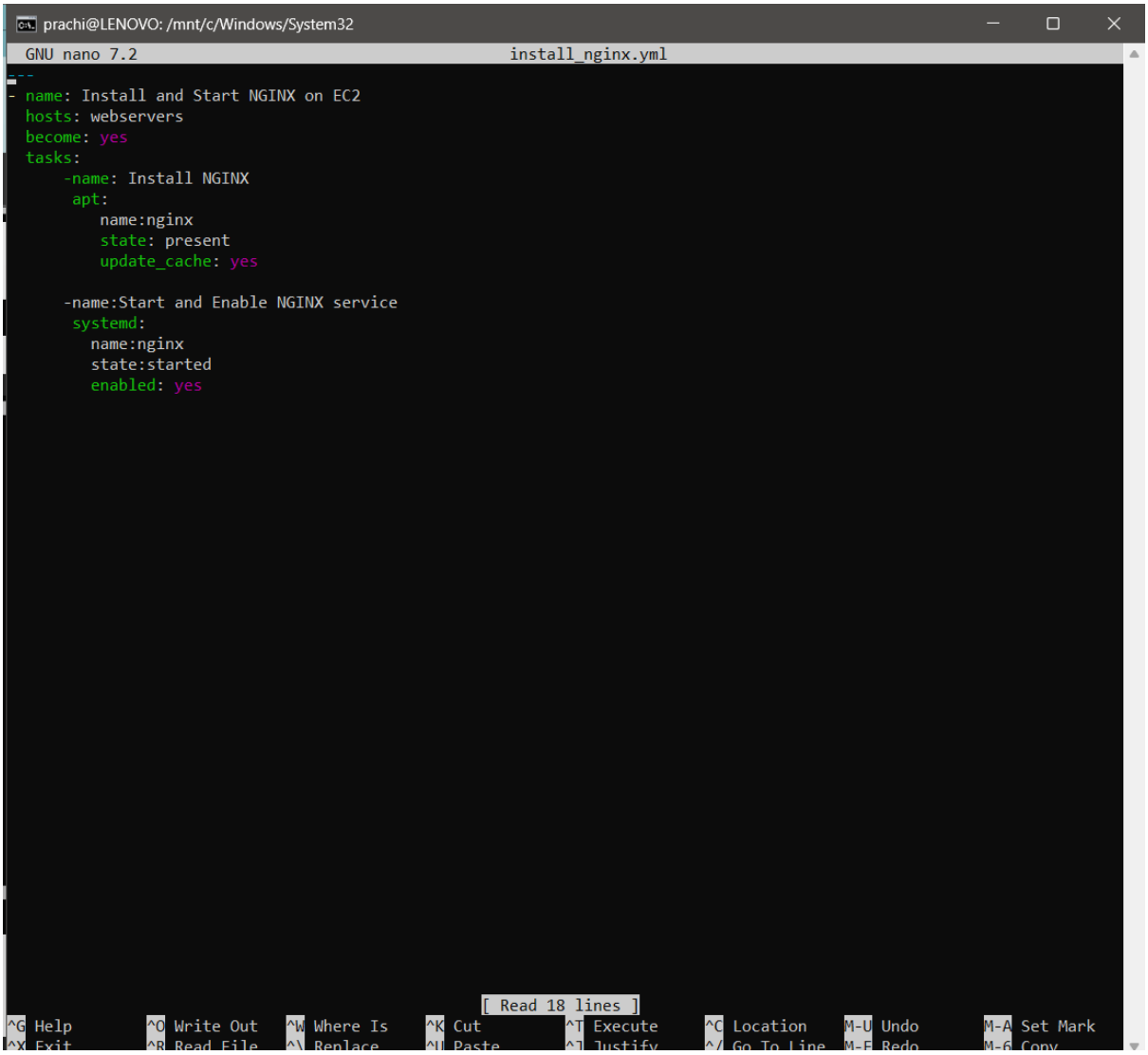
5. Create an inventory file This is a file that lists your target hosts, so Ansible knows where to apply the playbook. Write the file in nano, the terminal text editor

```
prachi@LENOVO:/mnt/c/Windows/System32$ nano inventory.ini
prachi@LENOVO:/mnt/c/Windows/System32$
```

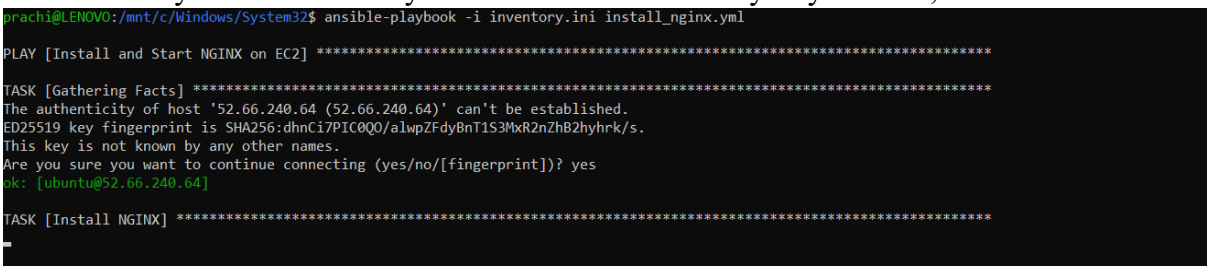
```
prachi@LENOVO: /mnt/c/Windows/System32
  GNU nano 7.2                                  inventory.ini *
[webservers]
ubuntu@52.66.240.64 ansible_ssh_private_key_file=~/.ssh/ansible_keypair.pem ansible_user=ubuntu
```

6. Create Your Ansible Playbook.

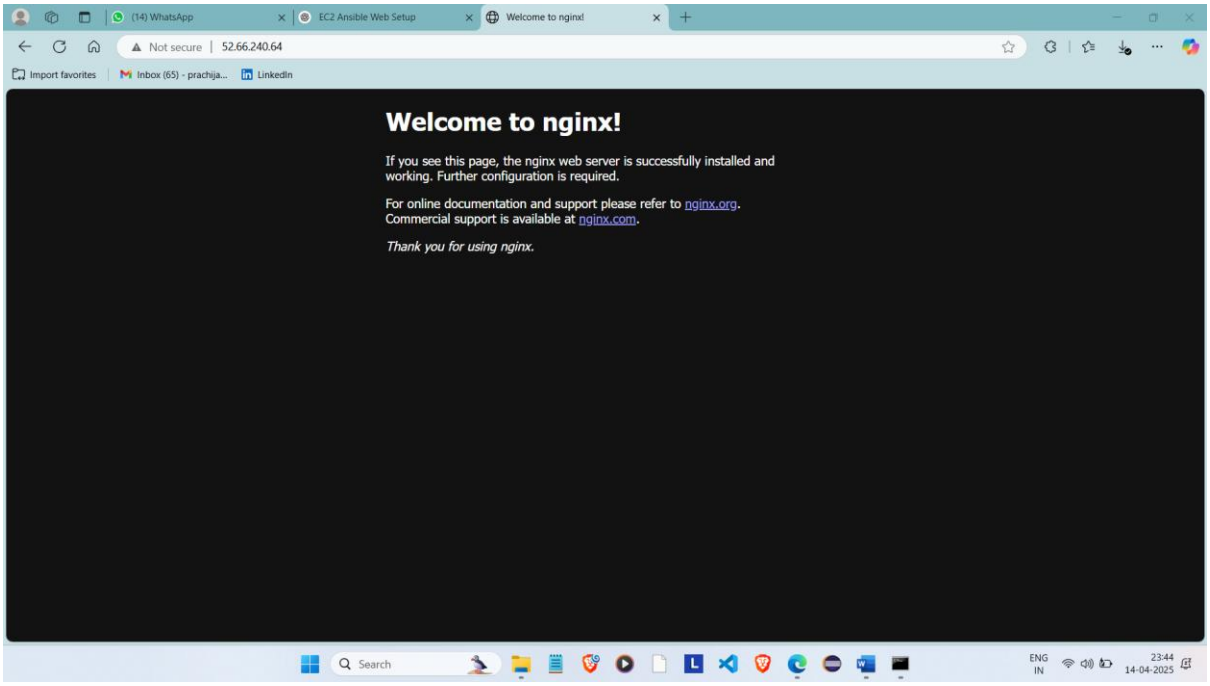
```
prachi@LENOVO:/mnt/c/Windows/System32$ nano install_nginx.yml
prachi@LENOVO:/mnt/c/Windows/System32$
```



7. Run Your Playbook Make sure you're in the same directory as your files, then:



Now check it in your browser:
http://52.66.240.64


(14) WhatsApp
EC2 Ansible Web Setup
Welcome to nginx!
Not secure | 52.66.240.64
Import favorites
Inbox (65) - prachija...
LinkedIn
Welcome to nginx!
If you see this page, the nginx web server is successfully installed and working. Further configuration is required.
For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.
Thank you for using nginx.
Search
ENG
IN
23:44
14-04-2025