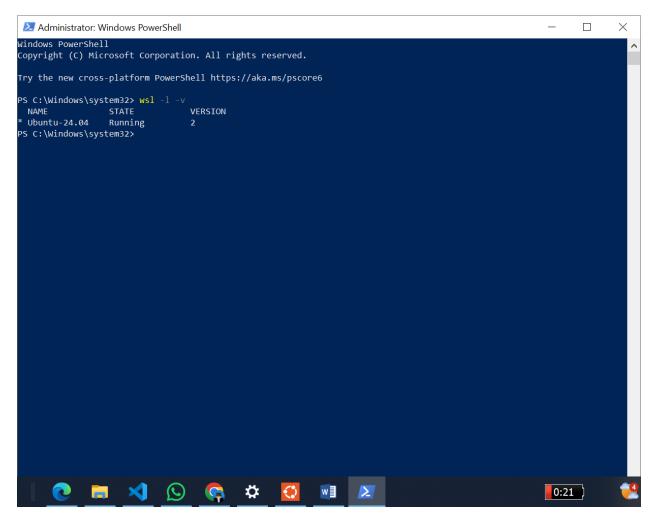
Lab Activities Task 01:

Installing WSL2 on Windows Step 1: Open PowerShell as Administrator. Step 2: Run command to enable WSL and Virtual Machine Platform: wsl.exe -- install -d Ubuntu-24.04



Remarks:

WSL2 was installed on Windows and Ubuntu 24.04 was configured successfully. The required features (WSL and Virtual Machine Platform) were enabled through PowerShell.

Task 02:

Verifying setup on Windows

- Step 1: Open Ubuntu 24.04 in Windows terminal or Ubuntu shell directly
- Step 2: Create new user and password
- Step 3: Run the following commands sudo apt update, sudo apt upgrade.

```
ayeza@Ayeza: ~
                                                                                                                warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
ayeza@Ayeza:~$ sudo apt update
[sudo] password for ayeza:
Hit:1 http://archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:3 http://archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:4 http://archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:5 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [21.5 kB]
Get:6 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [1415 kB]
Get:7 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [52.3 kB]
Get:8 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]
Get:9 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [212 B]
Get:10 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [175 kB]
Get:11 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [15.3 kB]
Get:12 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1485 kB]
Get:13 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [377 kB]
Get:14 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [31.1 kB]
Get:15 http://archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]
Get:16 http://archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [940 B]
Get:17 http://archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [7056 B]
Get:18 http://archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [19.2 kB]
Get:19 http://archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [216 B]
Get:20 http://archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]
Fetched 3979 kB in 12s (322 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
2 packages can be upgraded. Run 'apt list --upgradable' to see them.
 veza@Aveza:~$ _
```

```
    ayeza@Ayeza: ∼

Get:8 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B
Get:9 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [212 B]
Get:10 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [175 kB]
Get:11 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [15.3 kB]
Get:12 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1485 kB]
Get:13 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [377 kB]
Get:14 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [31.1 kB]
Get:15 http://archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]
Get:16 http://archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [940 B]
Get:17 http://archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [7056 B]
Get:18 http://archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [19.2 kB]
Get:19 http://archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [216 B]
Get:20 http://archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]
Fetched 3979 kB in 12s (322 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
2 packages can be upgraded. Run 'apt list --upgradable' to see them.
   za@Ayeza:~$ sudo apt upgrade
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done
The following package was automatically installed and is no longer required:
 lib11vm19
Use 'sudo apt autoremove' to remove it.
The following upgrades have been deferred due to phasing:
  landscape-client landscape-common
0 upgraded, 0 newly installed, 0 to remove and 2 not upgraded.
```

Remarks:

The Ubuntu shell was launched, a new user was created, and the system was updated and upgraded using apt. This verified that the setup was working properly.

Task 03:

Linux filesystem and directory structure

Step 1: Explore Linux filesystem and basic linux files.

Step 2: Explore how Ubuntu (Linux) can access Windows file system under /mnt/c/.

Step 3: Practice creating files in Windows and accessing them in Ubuntu.



Remarks:

The Linux filesystem and directory structure were explored, along with access to Windows files under /mnt/c/. File creation was practiced in Windows and successfully accessed and modified in Ubuntu.