



National Textile University

Department of Computer Science

Subject:

Operating System

Submitted to:

Sir Naseer

Submitted by:

Ayema

Reg number:

23-NTU-CS-1142

Lab no. :

01

Semester: 5Th

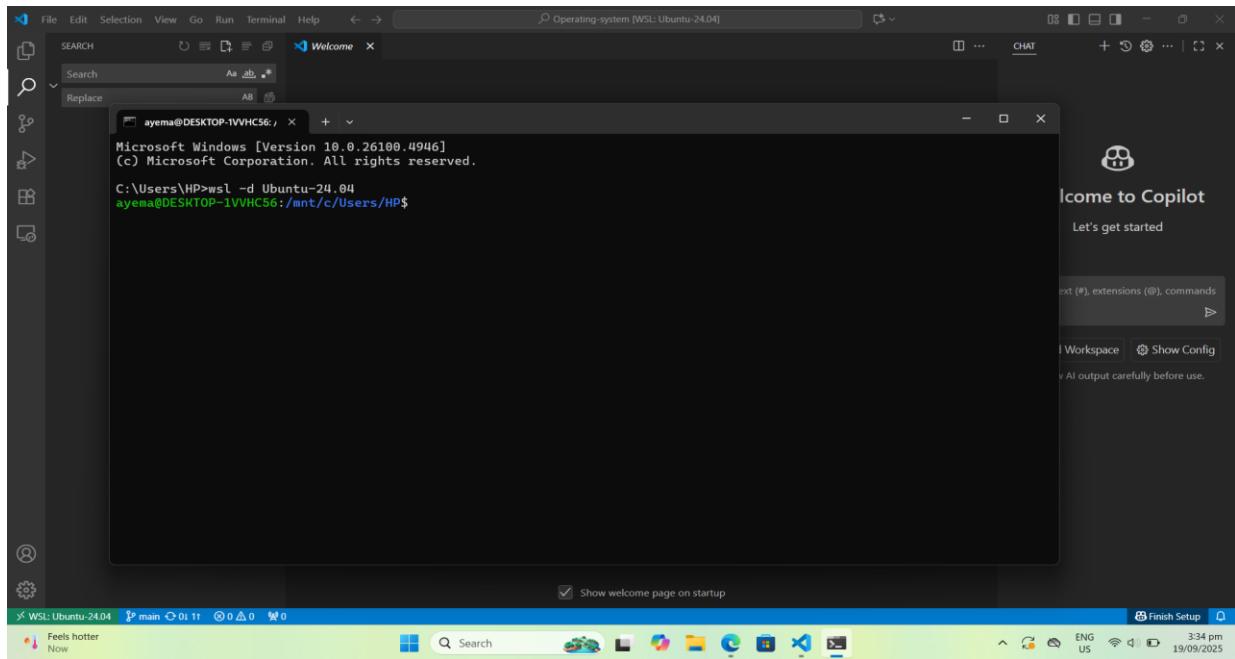
Task 1:

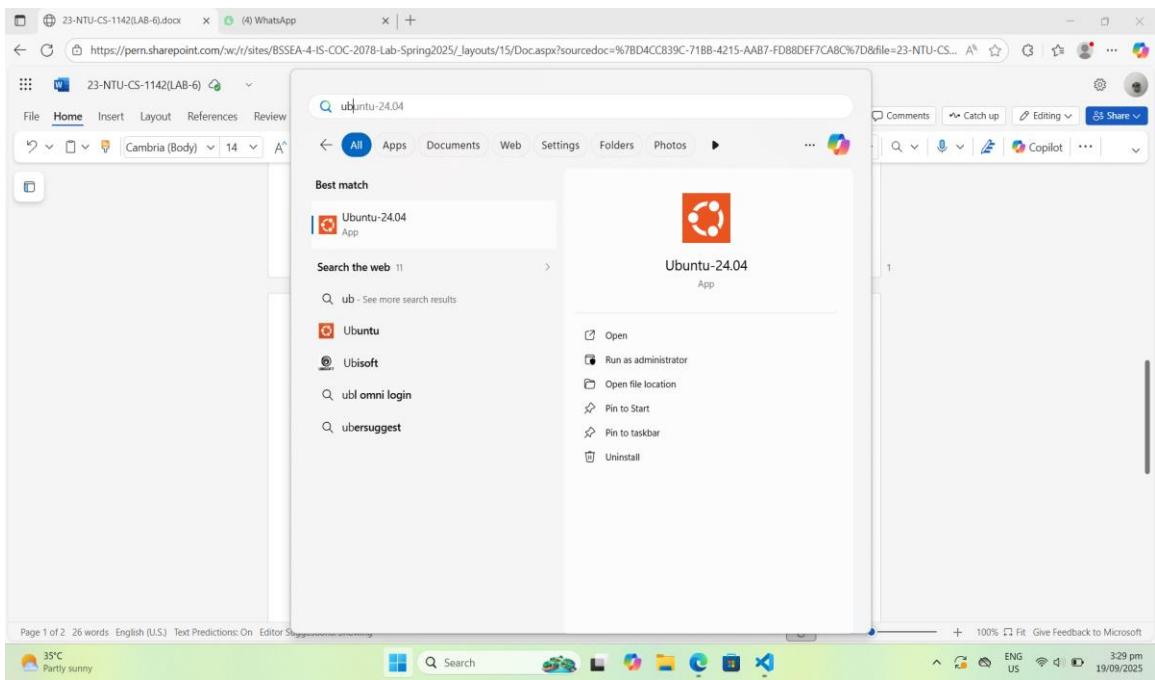
Wsl installed and using the command

```
wsl -install
```

Install ubuntu 24.04 using the command

```
wsl --install -d Ubuntu-24.04
```



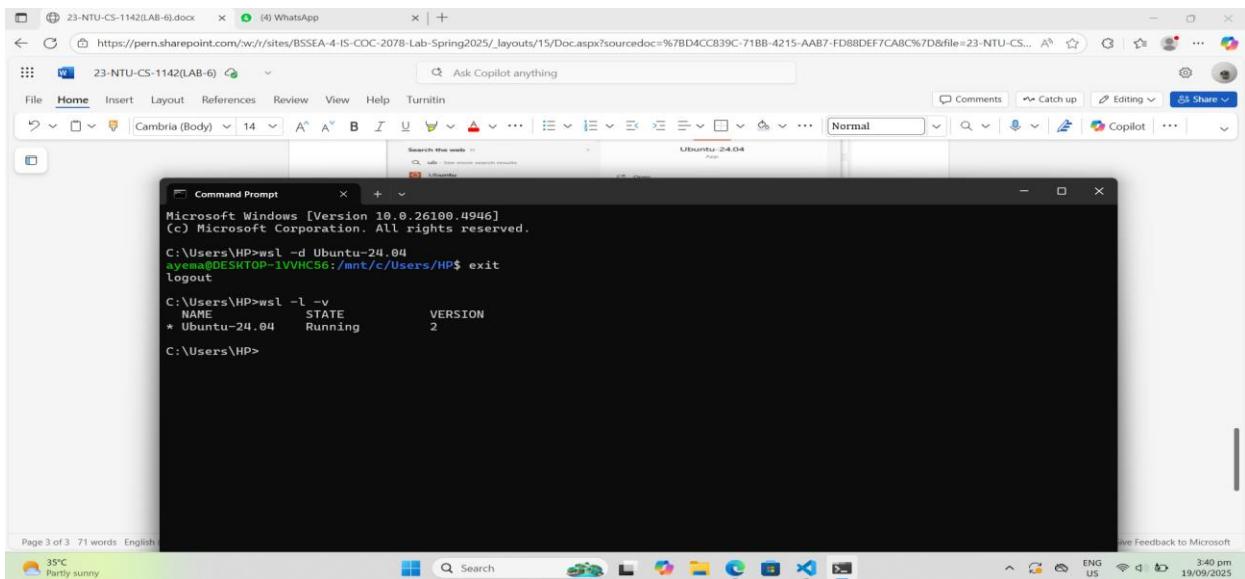


Update the version by using these commands

```
sudo apt update && sudo apt upgrade -y
```

Checking Ubuntu by using the command

```
wsl -l -v
```



I create a file in window and checking in ubuntu.

```
ayema@DESKTOP-1VVC56: ~ + 
logout

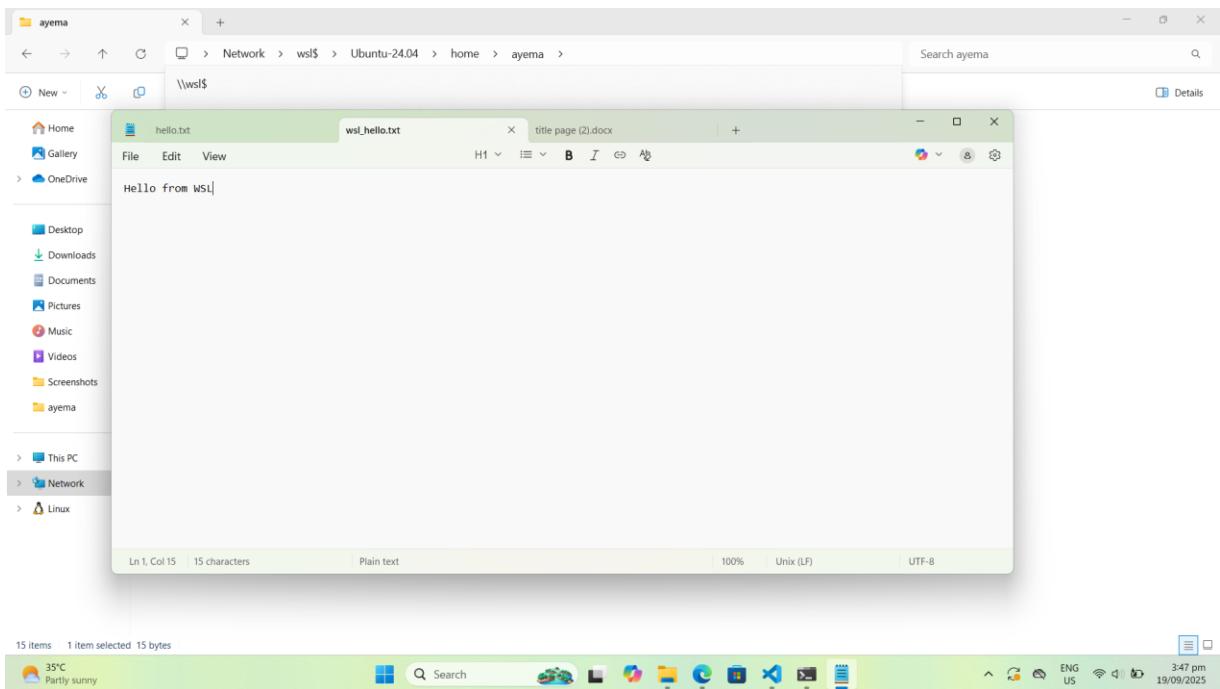
C:\Users\HP>wsl -l -v
NAME      STATE    VERSION
* Ubuntu-24.04   Running      2

C:\Users\HP>bash
ayema@DESKTOP-1VVC56:/mnt/c/Users/HP$ ls /mnt
ayema@DESKTOP-1VVC56:/mnt/c/Users/HP$ ls /mnt/c
ls: cannot access '/mnt/c/DumpStack.log.tmp': Permission denied
ls: cannot access '/mnt/c/hiberfil.sys': Permission denied
ls: cannot access '/mnt/c/pagefile.sys': Permission denied
ls: cannot access '/mnt/c/swapfile.sys': Permission denied
ls: cannot access '/mnt/c/swapfile2.sys': Permission denied
ls: cannot access '/mnt/c/Windows': Permission denied
'DumpStack.log.tmp'  'Program Files'  'Recovery'  'Users'  'inetpub'
'$WinREAgent'  'Program Files (x86)'  'System'  'Windows'  'pagefile.sys'
'Documents and Settings'  'PerfLogs'  'ProgramData'  'System Volume Information'  'hiberfil.sys'  'swapfile.sys'
ayema@DESKTOP-1VVC56:/mnt/c/Users/HP$ ls "/mnt/c/Users"
'All Users'  'Default User'  'Desktop'  'desktop.ini'
'Hello from windows'  'Hello from wsl'  'hello.txt'

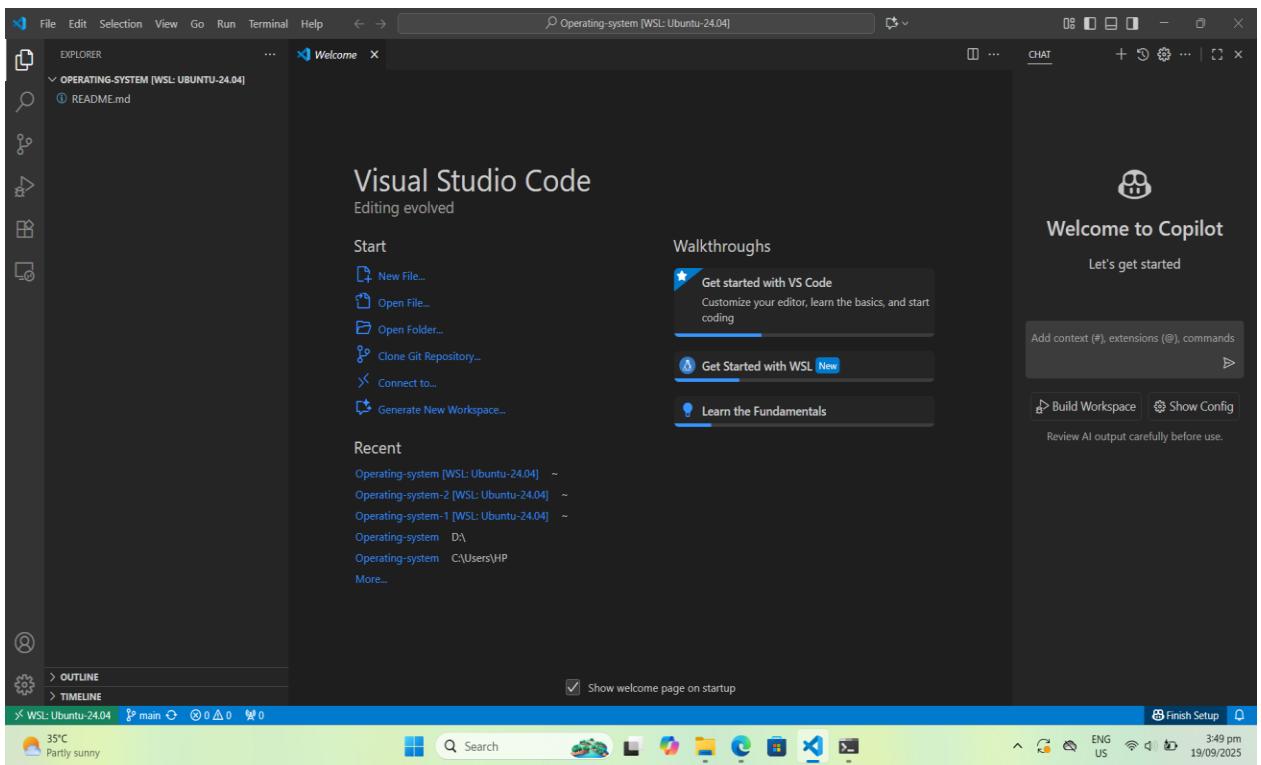
ayema@DESKTOP-1VVC56:/mnt/c/Users/HP$ cat /mnt/c/Users/HP/Documents/hello.txt
Hello from windows
ayema@DESKTOP-1VVC56:/mnt/c/Users/HP$
```

I built file in Ubuntu and read it from Windows using the command

echo "Hello from WSL" > ~/wsl_hello.txt



Integrate Ubuntu with vs code and create repository



Download gcc and g++ in terminal

gcc – version

g++ --version

```
ayena@DESKTOP-IVVHCS6: ~
```

```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\HP> bash
ayena@DESKTOP-IVVHCS6: /mnt/c/Users/HP$ gcc --version
gcc (Ubuntu 13.3.0-6ubuntu2-24.04) 13.3.0
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This is free software; see the source code for copying conditions. There is NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

ayena@DESKTOP-IVVHCS6: /mnt/c/Users/HP$ |
```