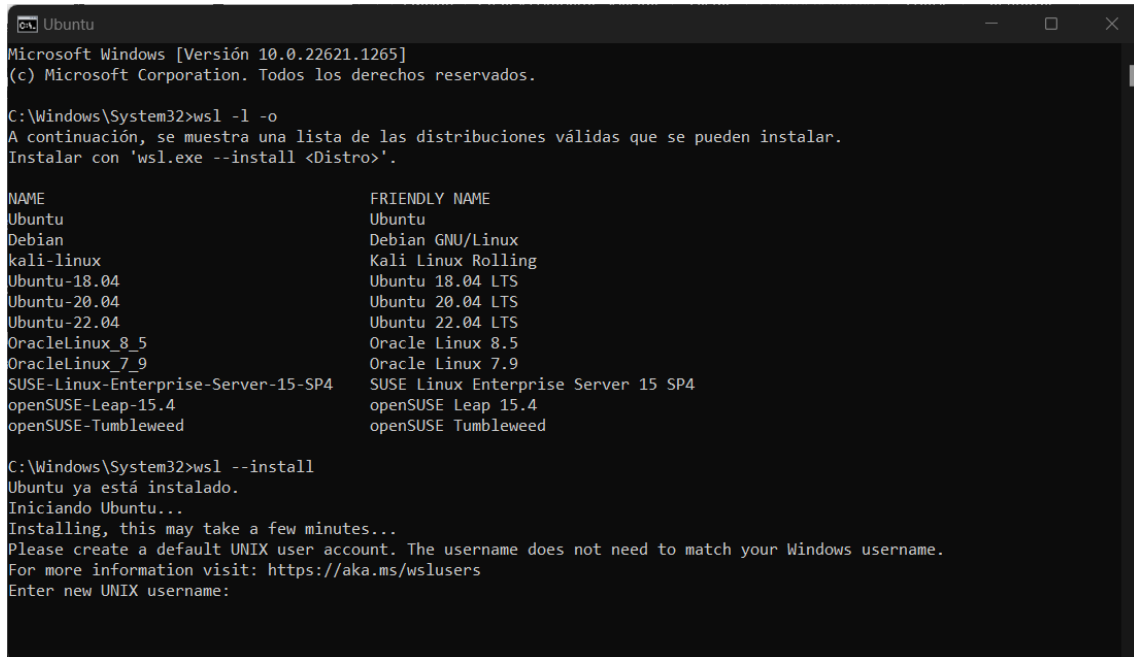


Setting VS Code with Linux in Windows

Setting Linux in Windows (WSL Windows Subsystem for Linux)

1. Open a command prompt, you can open this by pressing “windows +r” and then type “cmd”.
2. Type “wsl –install”, this will install an ubuntu subsystem for windows. Just follow the steps to install it and create a user. You will see something like this.



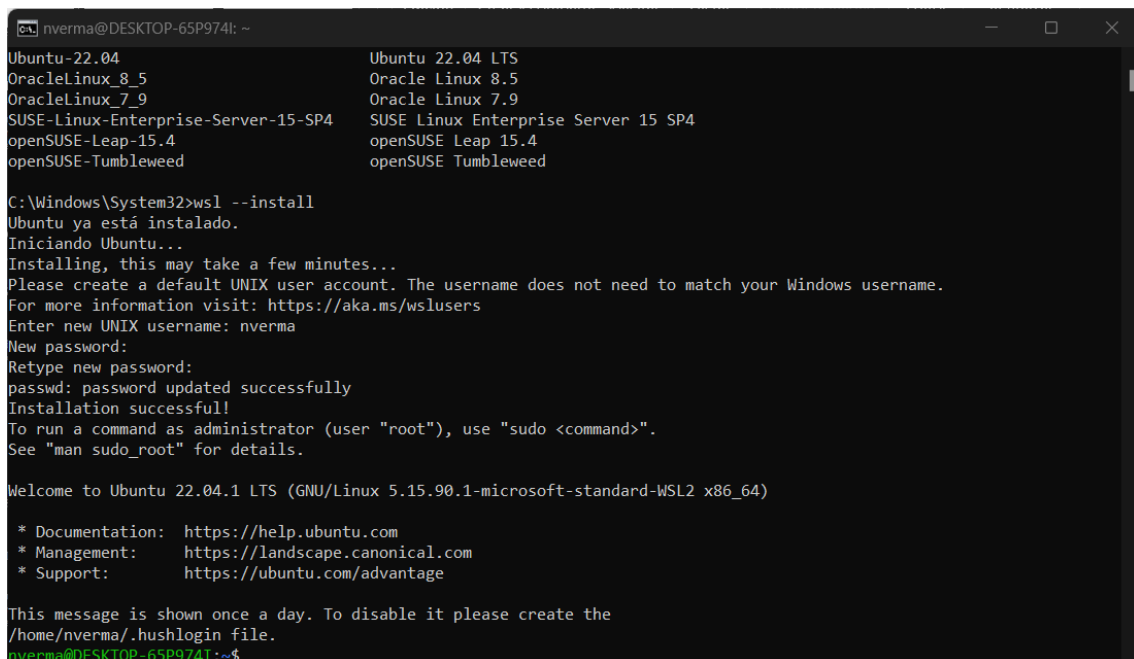
```
Microsoft Windows [Versión 10.0.22621.1265]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Windows\System32>wsl -l -o
A continuación, se muestra una lista de las distribuciones válidas que se pueden instalar.
Instalar con 'wsl.exe --install <Distro>'.

NAME                                FRIENDLY NAME
Ubuntu                              Ubuntu
Debian                              Debian GNU/Linux
kali-linux                          Kali Linux Rolling
Ubuntu-18.04                        Ubuntu 18.04 LTS
Ubuntu-20.04                        Ubuntu 20.04 LTS
Ubuntu-22.04                        Ubuntu 22.04 LTS
OracleLinux_8_5                     Oracle Linux 8.5
OracleLinux_7_9                     Oracle Linux 7.9
SUSE-Linux-Enterprise-Server-15-SP4 SUSE Linux Enterprise Server 15 SP4
openSUSE-Leap-15.4                  openSUSE Leap 15.4
openSUSE-Tumbleweed                 openSUSE Tumbleweed

C:\Windows\System32>wsl --install
Ubuntu ya está instalado.
Iniciando Ubuntu...
Installing, this may take a few minutes...
Please create a default UNIX user account. The username does not need to match your Windows username.
For more information visit: https://aka.ms/wslusers
Enter new UNIX username:
```

3. Once you type your username and password it will be done, and you will see this:



```
nverma@DESKTOP-65P9741: ~
Ubuntu-22.04                        Ubuntu 22.04 LTS
OracleLinux_8_5                     Oracle Linux 8.5
OracleLinux_7_9                     Oracle Linux 7.9
SUSE-Linux-Enterprise-Server-15-SP4 SUSE Linux Enterprise Server 15 SP4
openSUSE-Leap-15.4                  openSUSE Leap 15.4
openSUSE-Tumbleweed                 openSUSE Tumbleweed

C:\Windows\System32>wsl --install
Ubuntu ya está instalado.
Iniciando Ubuntu...
Installing, this may take a few minutes...
Please create a default UNIX user account. The username does not need to match your Windows username.
For more information visit: https://aka.ms/wslusers
Enter new UNIX username: nverma
New password:
Retype new password:
passwd: password updated successfully
Installation successful!
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.90.1-microsoft-standard-WSL2 x86_64)

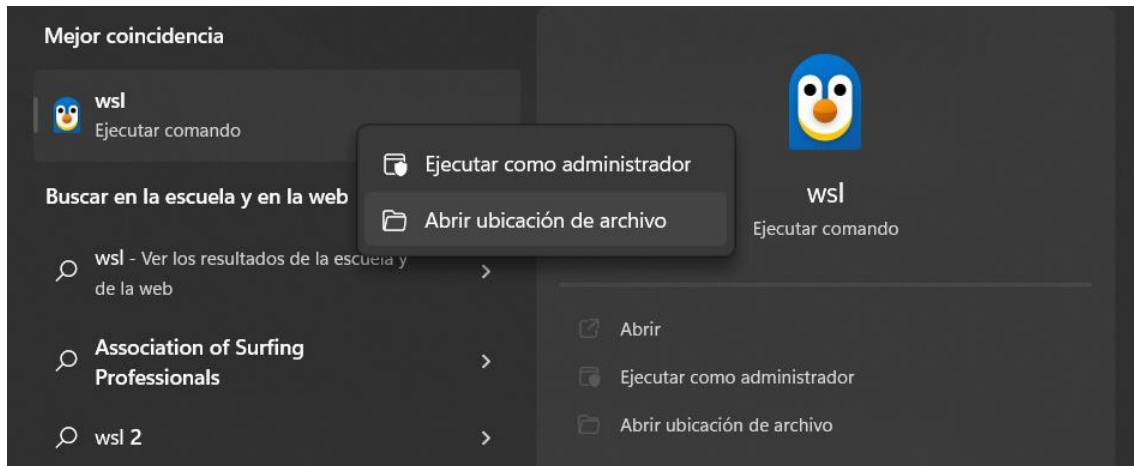
 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

This message is shown once a day. To disable it please create the
/home/nverma/.hushlogin file.
nverma@DESKTOP-65P9741:~$
```

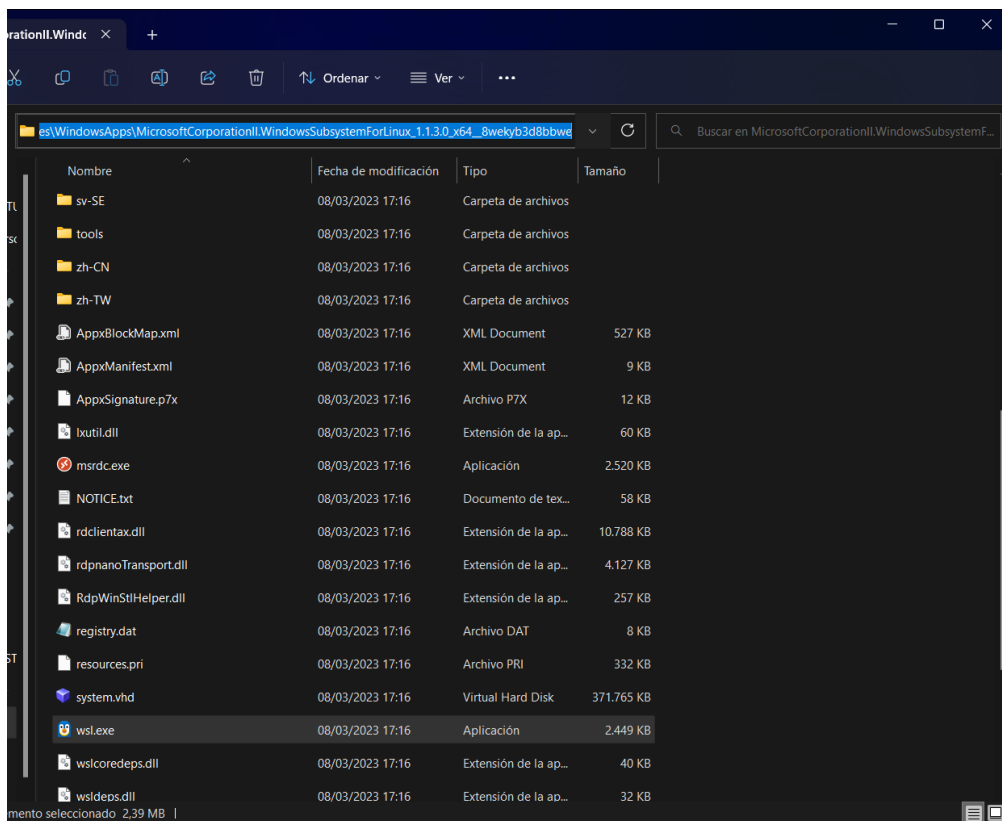
And now we have windows subsystem linux installed for us, now let's set VS code.

Vs code setting

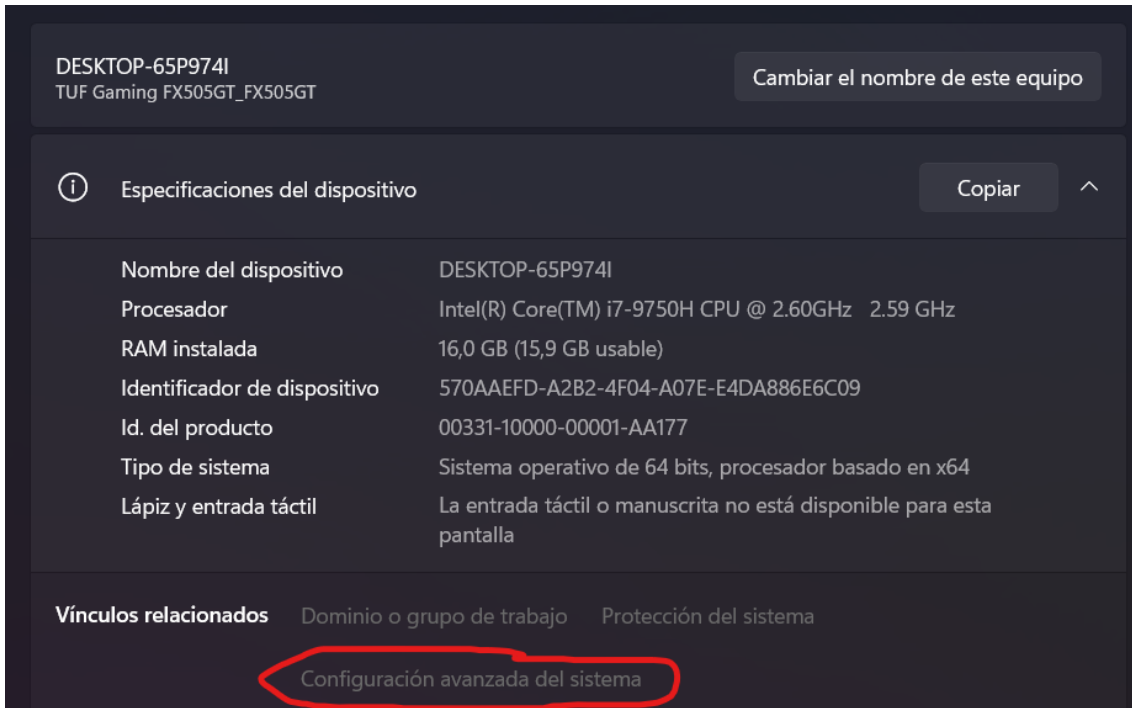
1. First brows wsl in windows search bar and right click on the wsl and choose open location.



2. Copy the route of the file.



3. Now we go to path environment variables of our system. For this you go to Configuration>System>Information>Advanced System Configuration



DESKTOP-65P974I
TUF Gaming FX505GT_FX505GT

Cambiar el nombre de este equipo

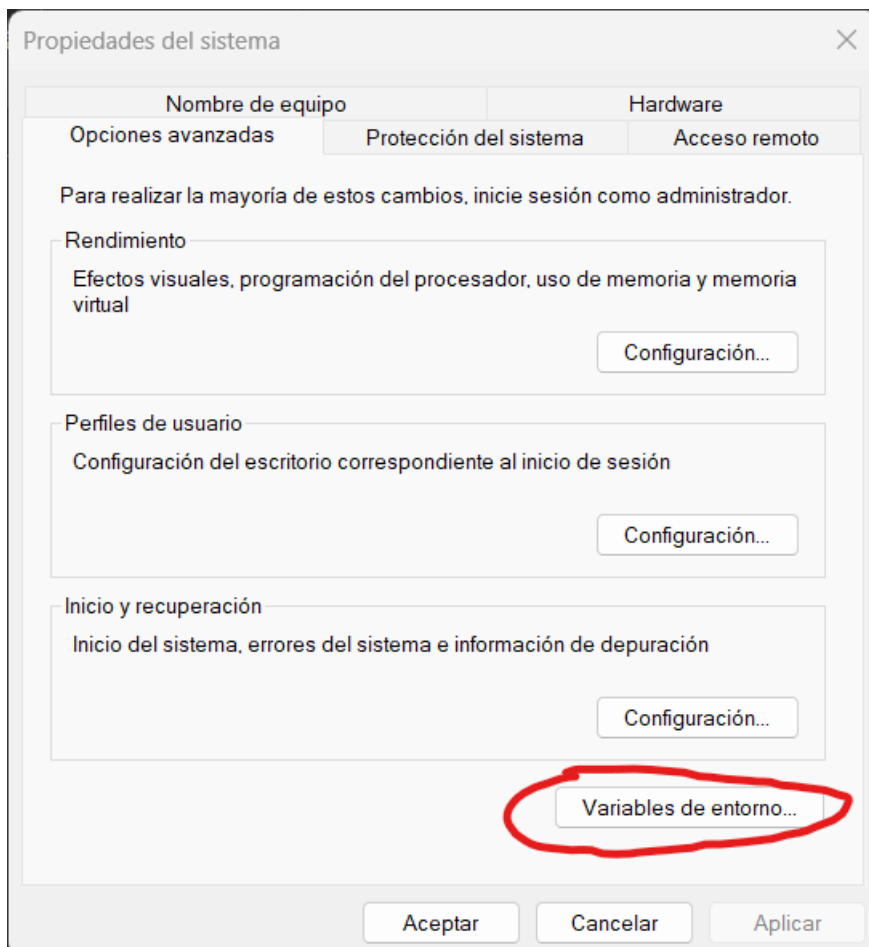
❯ Especificaciones del dispositivo Copiar ^

Nombre del dispositivo	DESKTOP-65P974I
Procesador	Intel(R) Core(TM) i7-9750H CPU @ 2.60GHz 2.59 GHz
RAM instalada	16,0 GB (15,9 GB usable)
Identificador de dispositivo	570AAEFD-A2B2-4F04-A07E-E4DA886E6C09
Id. del producto	00331-10000-00001-AA177
Tipo de sistema	Sistema operativo de 64 bits, procesador basado en x64
Lápiz y entrada táctil	La entrada táctil o manuscrita no está disponible para esta pantalla

Vínculos relacionados Dominio o grupo de trabajo Protección del sistema

Configuración avanzada del sistema

4. Here We select Environment Variables settings.



Propiedades del sistema

Nombre de equipo Hardware

Opciones avanzadas Protección del sistema Acceso remoto

Para realizar la mayoría de estos cambios, inicie sesión como administrador.

Rendimiento
Efectos visuales, programación del procesador, uso de memoria y memoria virtual
Configuración...

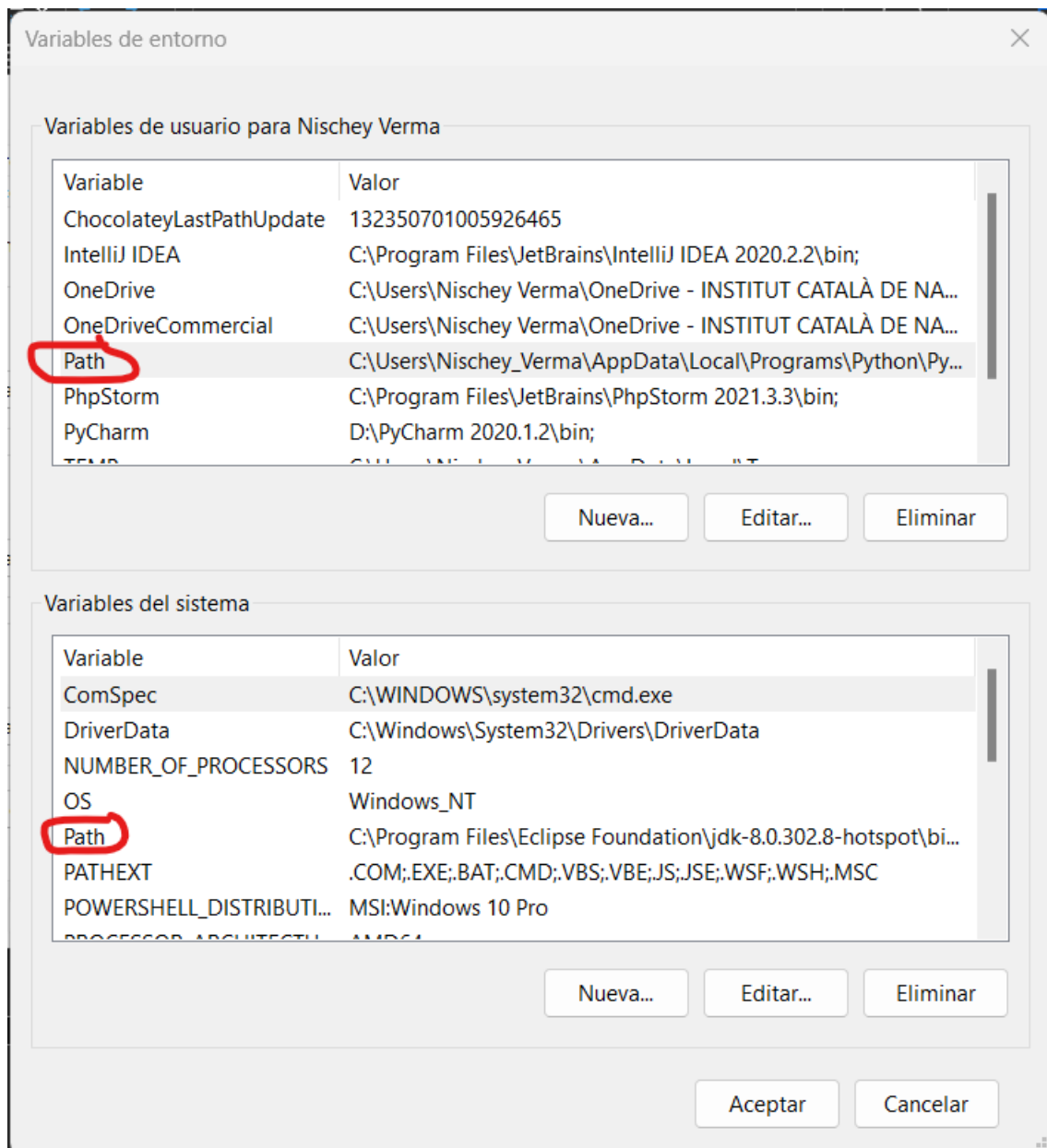
Perfiles de usuario
Configuración del escritorio correspondiente al inicio de sesión
Configuración...

Inicio y recuperación
Inicio del sistema, errores del sistema e información de depuración
Configuración...

Variables de entorno...

Aceptar Cancelar Aplicar

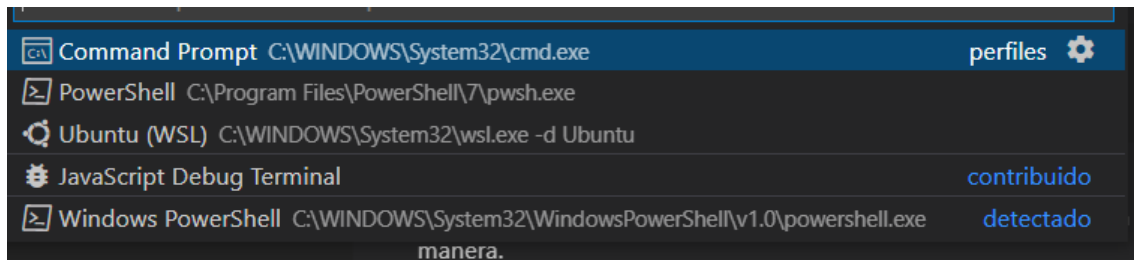
5. Add the route to User PATH variables and system PATH Variables.



Double Click and click on New and Paste the Route with an “\” after. In both Paths.

6. After that we open Code and press “ctrl+shift+p” and type “Terminal: Select Default Profile” and select this option and then select Ubuntu.





7. Once this is done, we restart VS Code.

Installing GCC

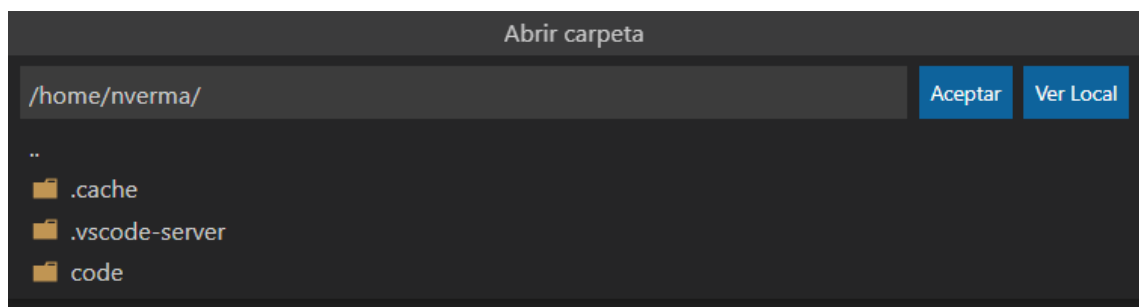
1. Once followed all the instructions we can Install GCC compiler. To do this it may ask for your password set for wsl. In the opened code windows, we open a terminal, you can do this by click on the Terminal menu on upper side of the windows and choose new terminal option. Once this is done you will see a small window on bottom side which is wsl terminal.
2. Now type “Sudo apt-get update” once finished you type “sudo apt-get upgrade -y” and then “sudo apt-get install gcc gdb -y” in the terminal and this will install the compiler for you. You can check if this was done successfully by typing “gcc --version” and see something like this:

```
nverma@DESKTOP-65P974I:/mnt/c/Users/Nischey_Verma$ gcc --version
gcc (Ubuntu 11.3.0-1ubuntu1~22.04) 11.3.0
Copyright (C) 2021 Free Software Foundation, Inc.
This is free software; see the source for copying conditions. There is NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
```

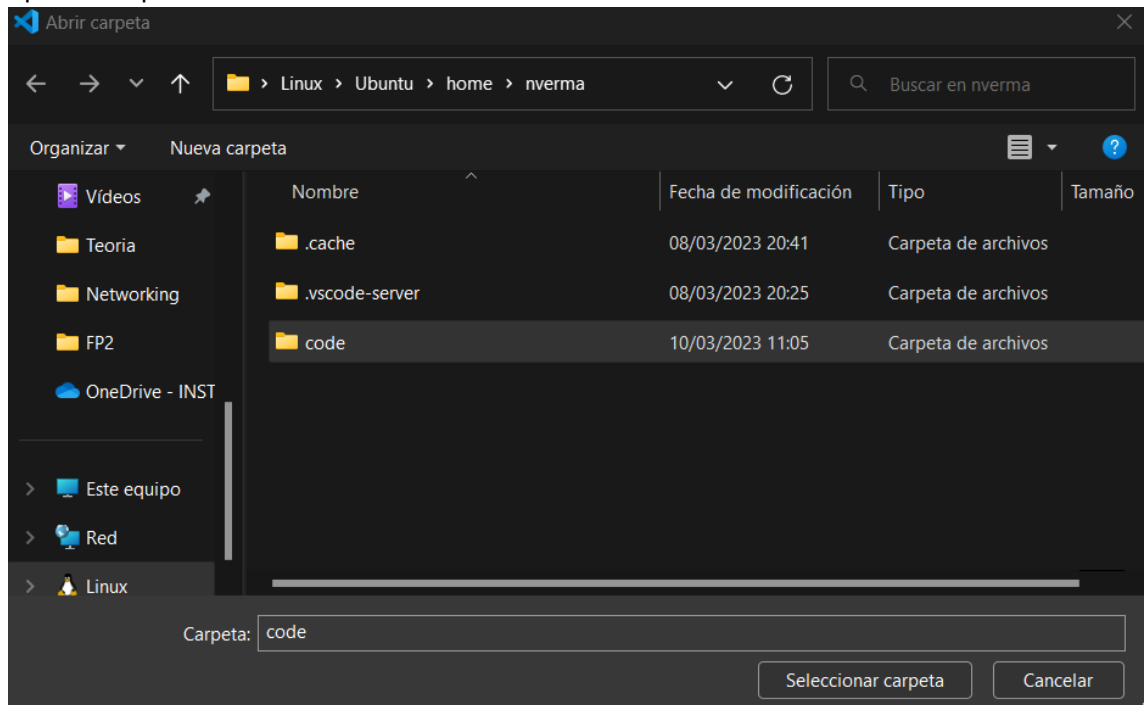
3. Now you can try compiling and running your code.

Running code

1. Press “F1” and type “Remote-WSL: Open folder in WSL” and here we choose the local option.



2. An explorer window will open where you can create a new folder or select a folder to open and create code, in my case the folder is code. I select it and then choose the option to open folder.



3. Now you can create a simple file with VS Code interface and run or debug the code easily with a bash terminal integrated.