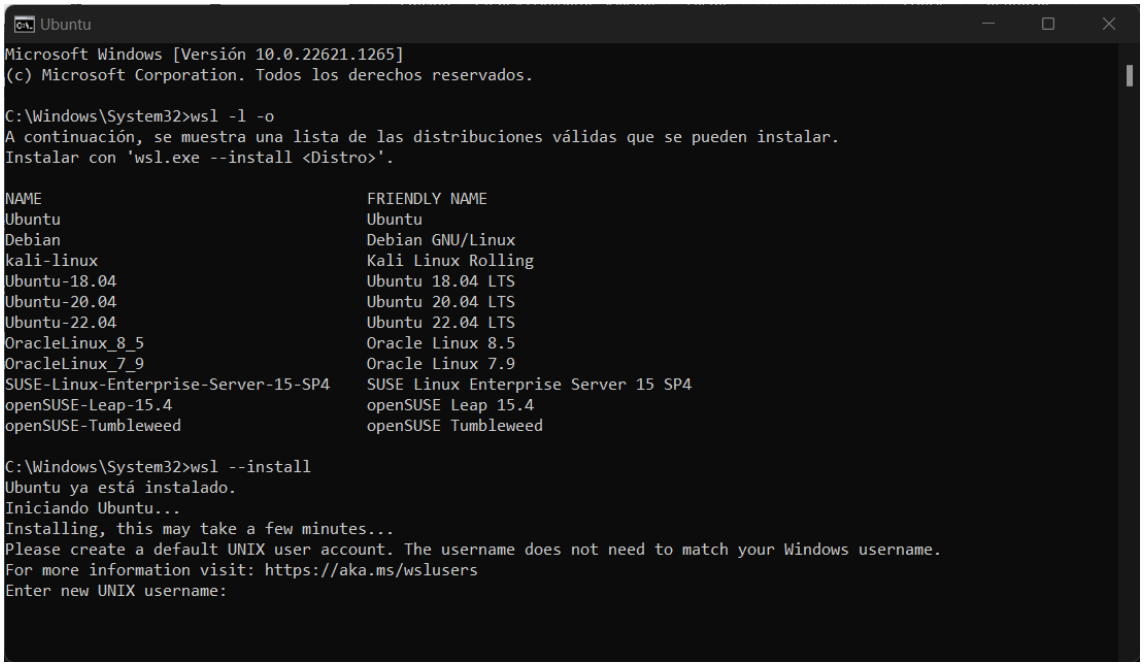
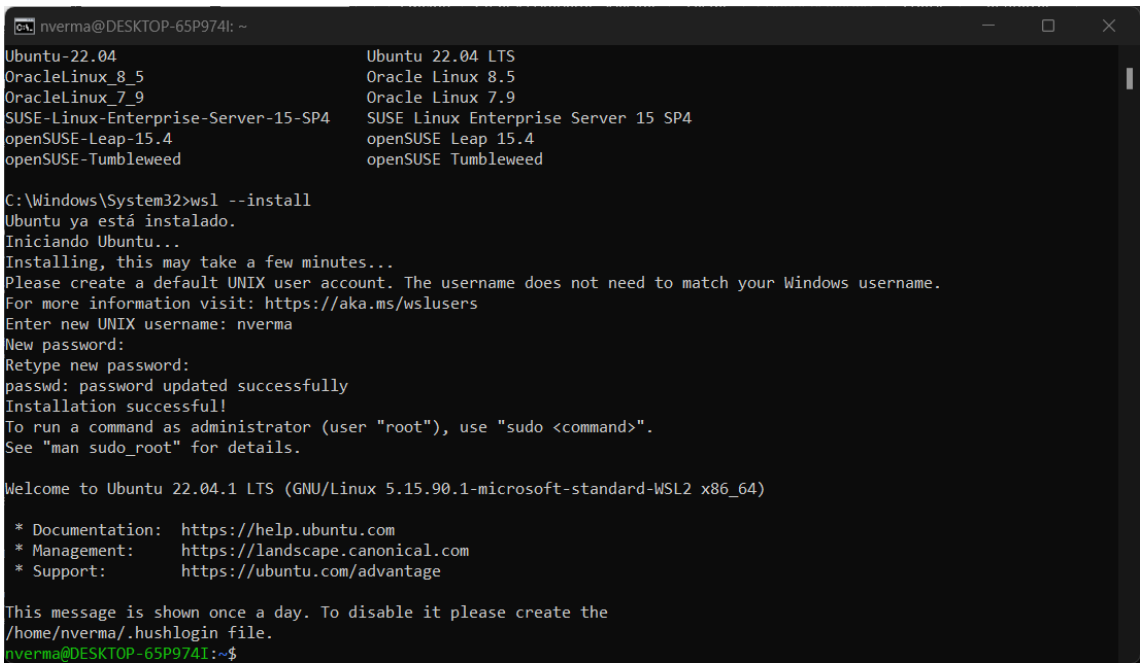
Setting VS Code with Linux in Windows

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.



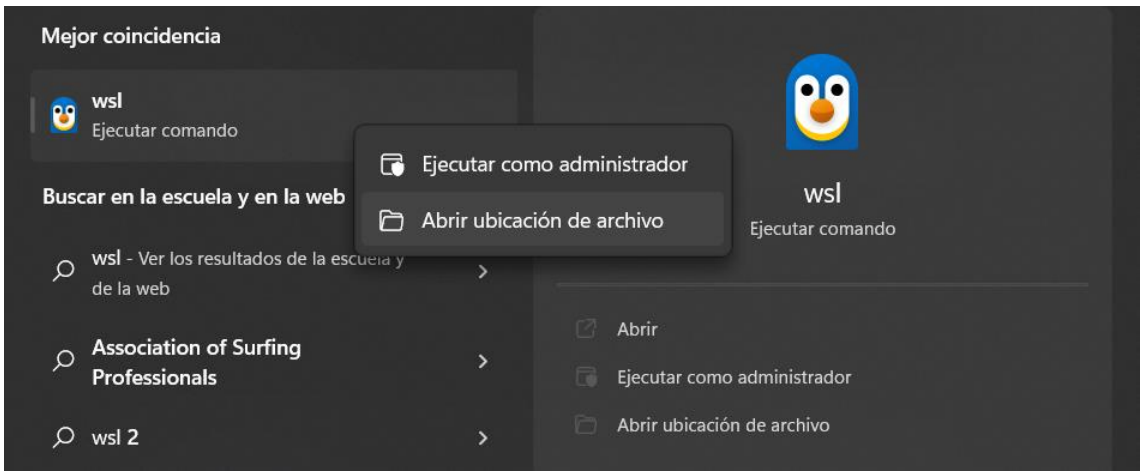
3. Once you type your username and password it will be done, and you will see this:



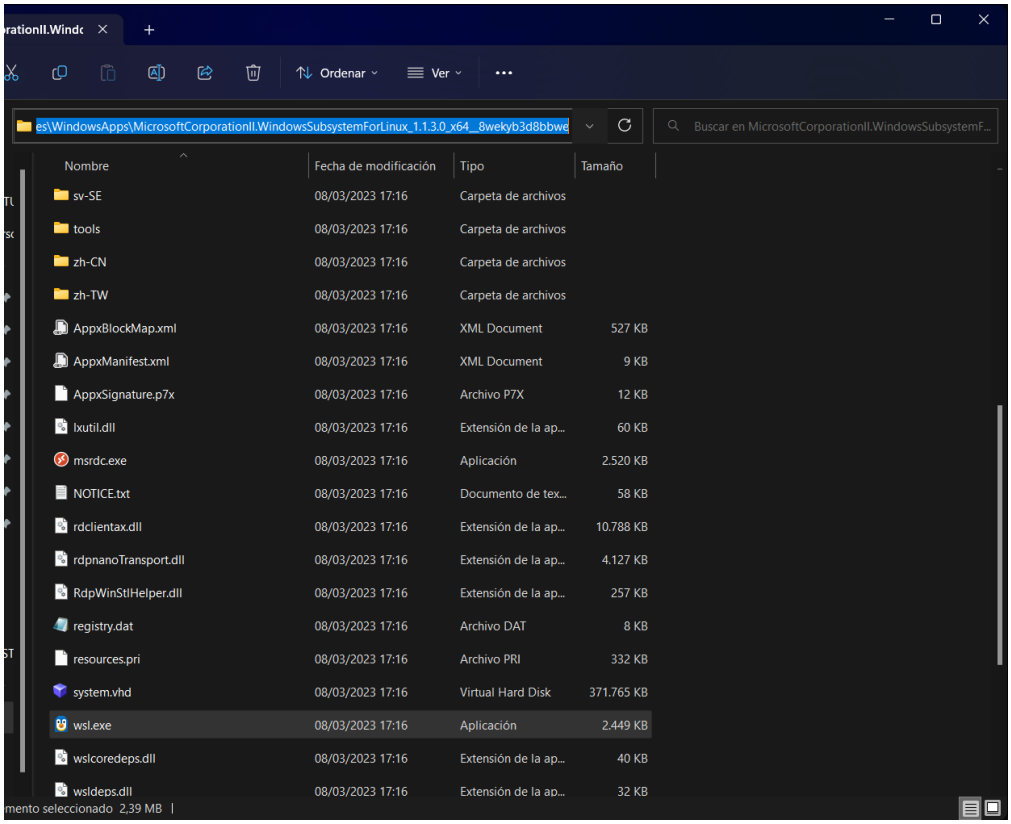
And now we have windows subsystem linux installed for us, now let’s set VS code.

Vs code setting

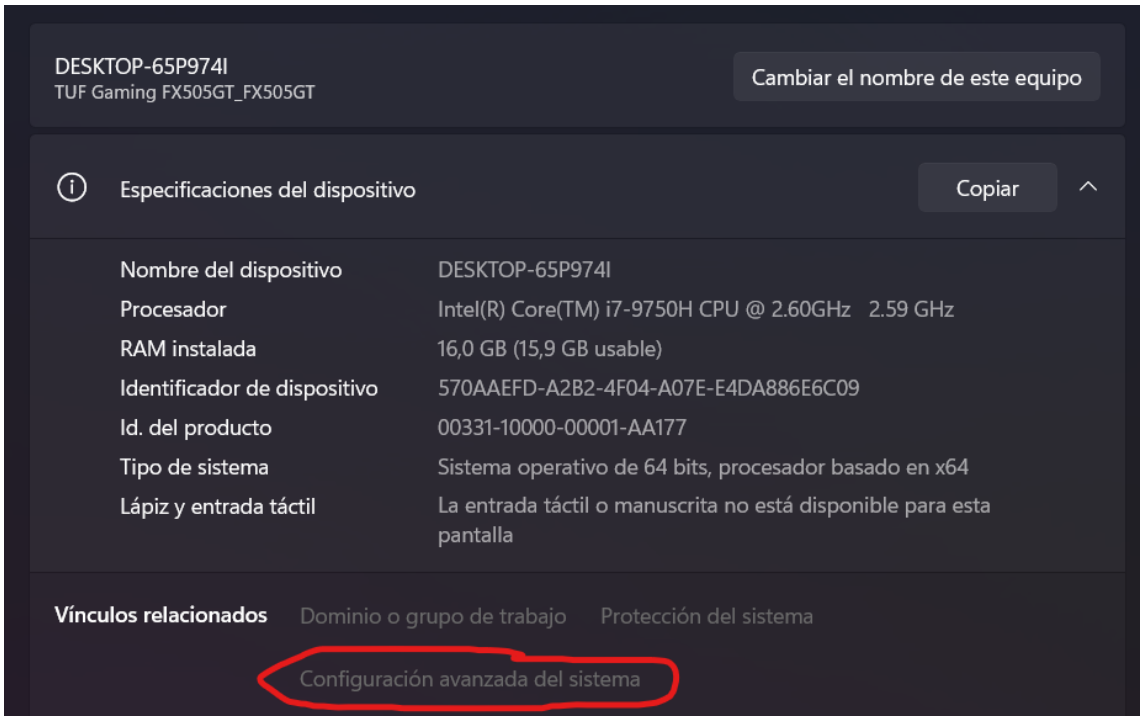
1. First brows wsl in windows search bar and right click on the wsl and choose open location.



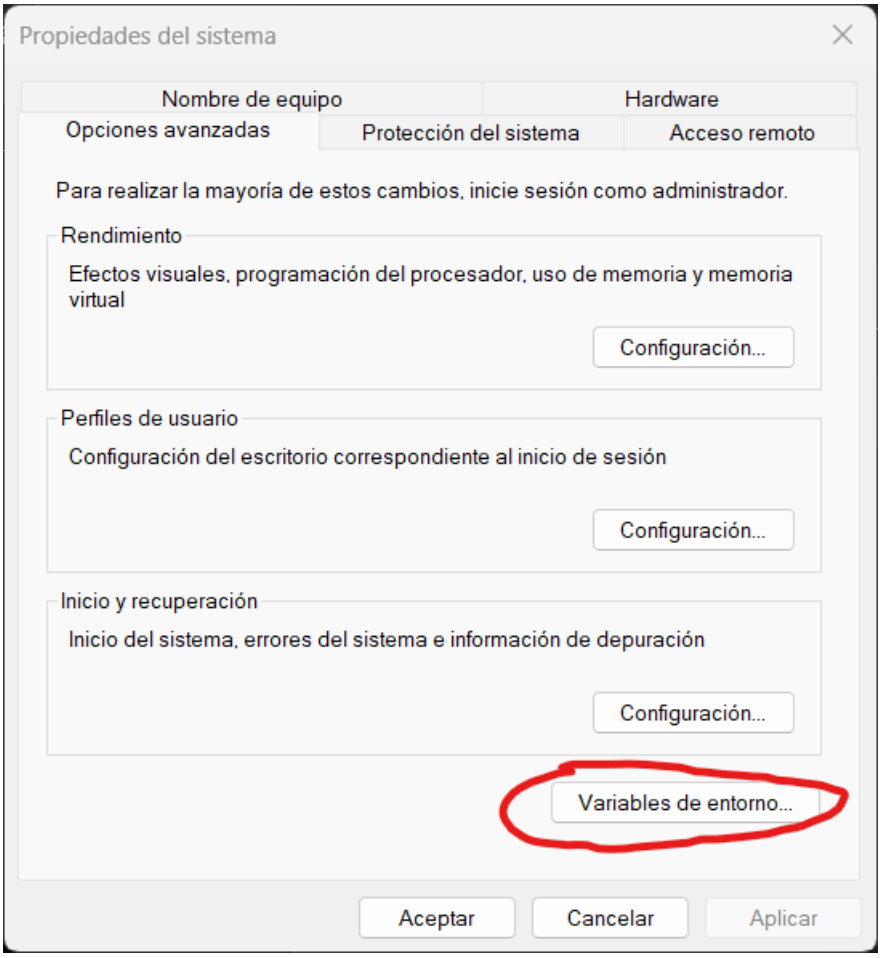
2. Copy the route of the file.



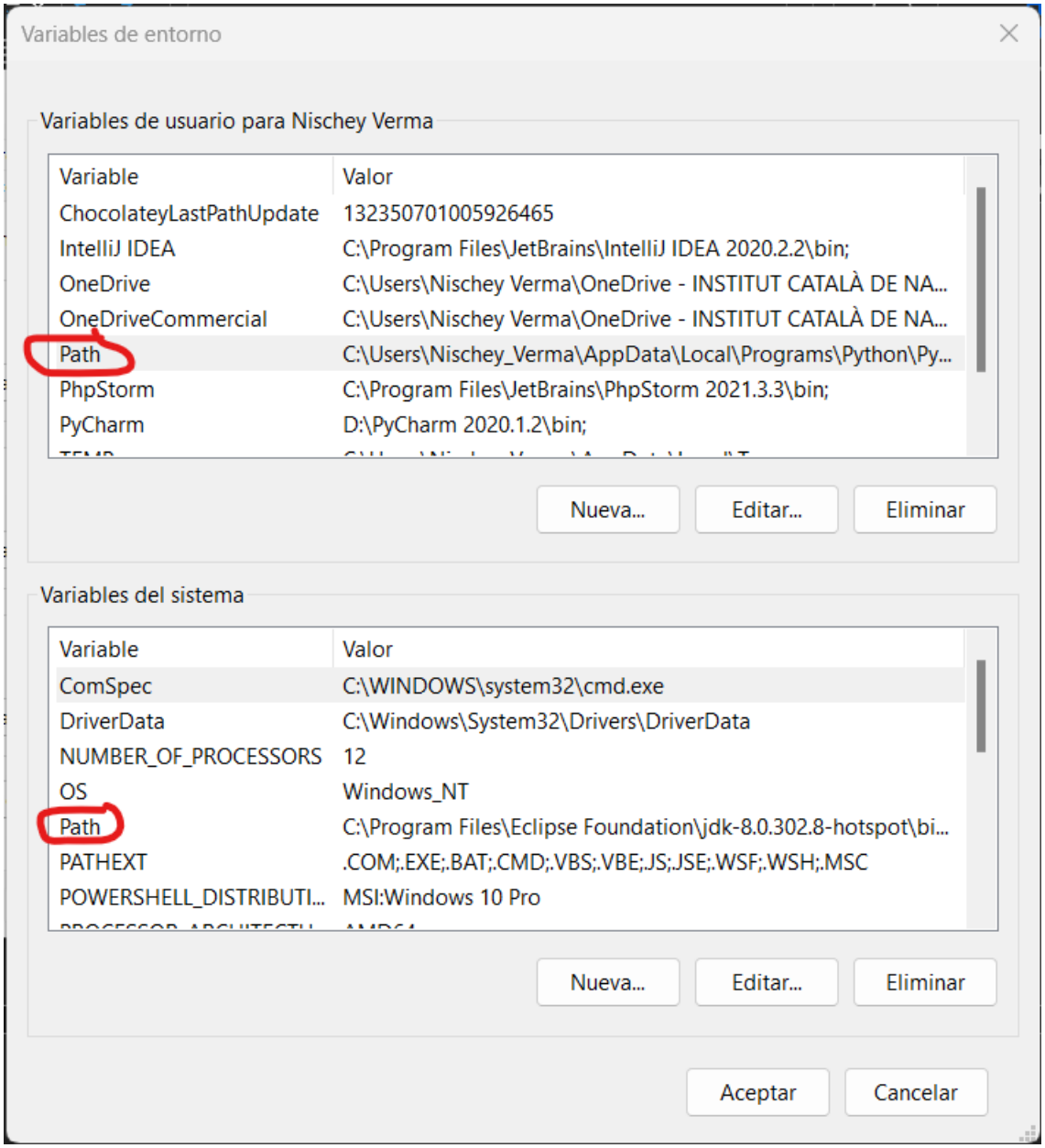
3. Now we go to path environment variables of our system. For this you go to Configuration>System>Inormation>Adnvaced System Configuration



4. Here We select Environment Variables settings.

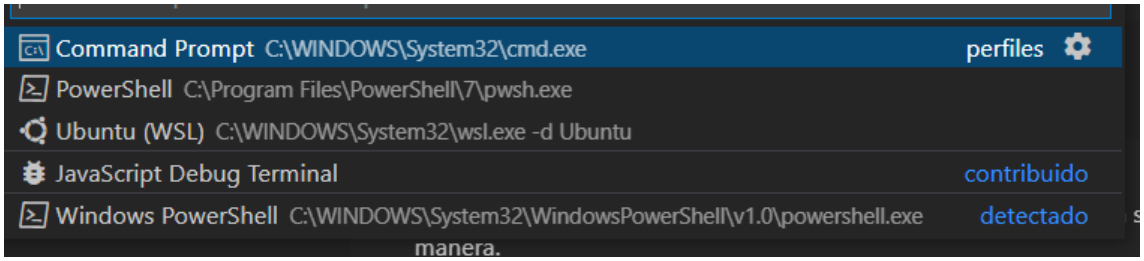


5. Add the route to User PATH variables and system PATH Variables.



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

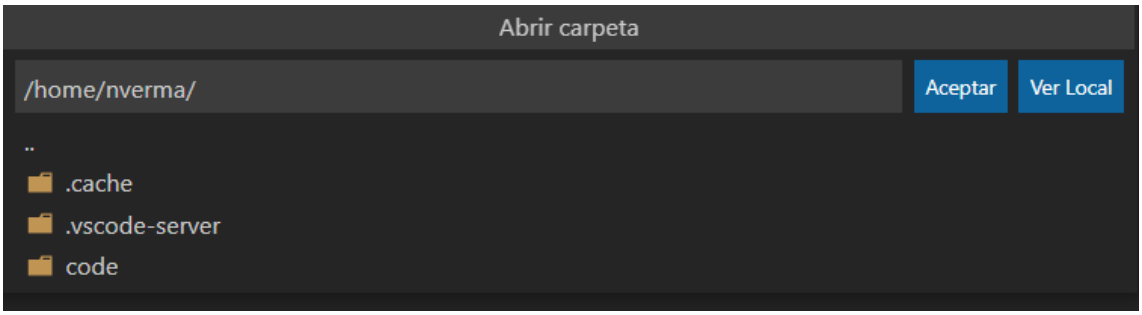
1. Once followed all the instructions we can Install GCC compiler. To do this it may ask for your password set for wsl. In the opened code windows, we open a terminal, you can do this by click on the Terminal menu on upper side of the windows and choose new terminal option. Once this is done you will 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.
```

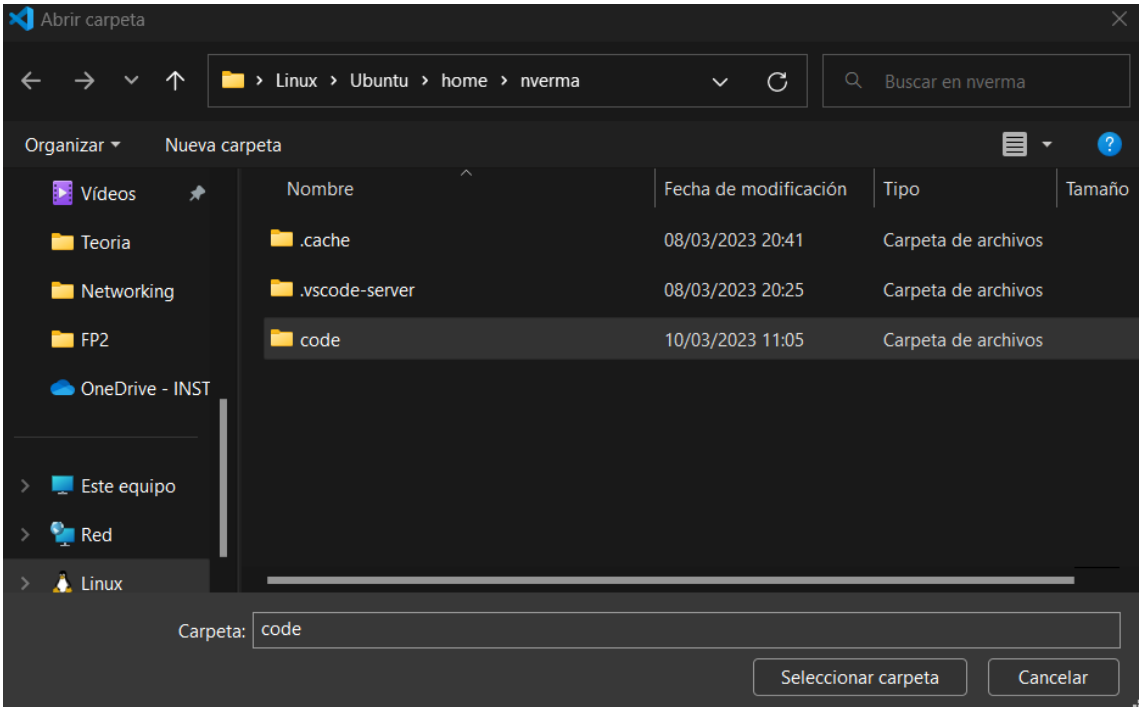
3. Now you can try compiling and running your code.

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.