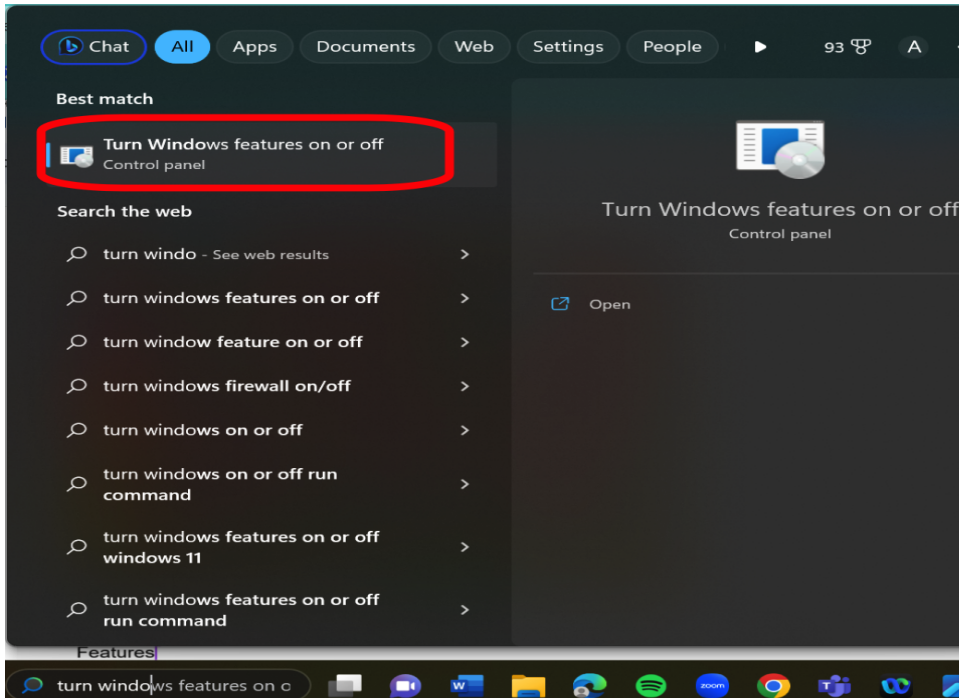


Installing simplecpp on Windows using Ubuntu App

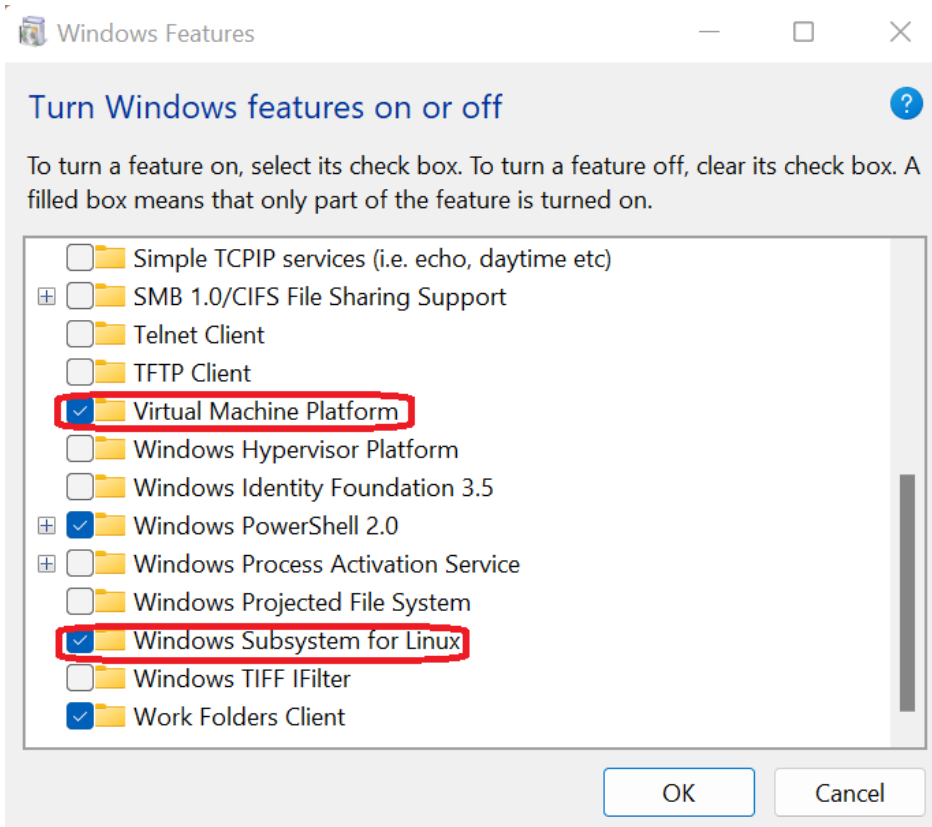
1. Go to Google and search for Xming, select the first link (Xming X Server for Windows) and install it on the Windows machine

Quick link: <https://sourceforge.net/projects/xming/>

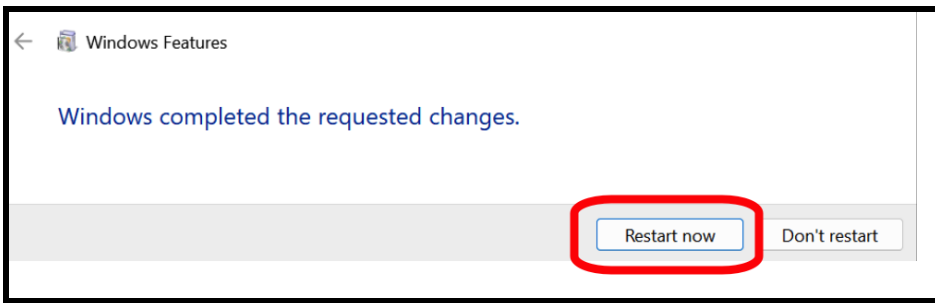
2. Type "Turn Windows features on or off" in the windows search bar and click on the program highlighted in red color as shown below:



The following screen will get displayed with options for selection. Scroll down and then select the checkboxes for 'Windows Subsystem for Linux' and 'Virtual Machine Platform'. Thereafter, click on the Ok button.



Once OK button is clicked, it will start the WSL installation process. Now, click on 'Restart now' to apply the changes as shown in the following image:

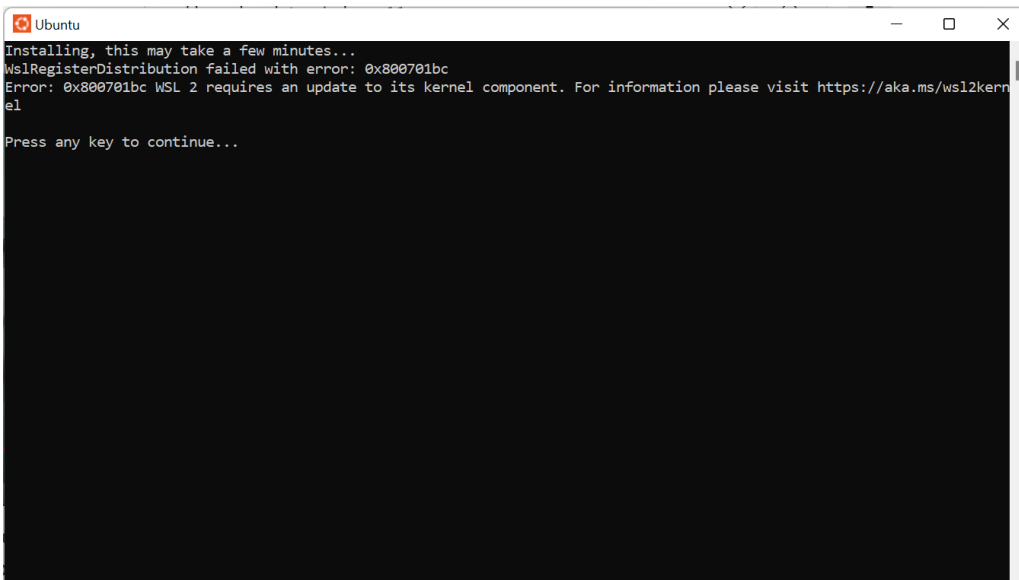


3. After restarting the system, go to Microsoft Store and download Ubuntu App (preferably a plain version). Click on the blue “Get” button to install the Ubuntu Application. This will start downloading.



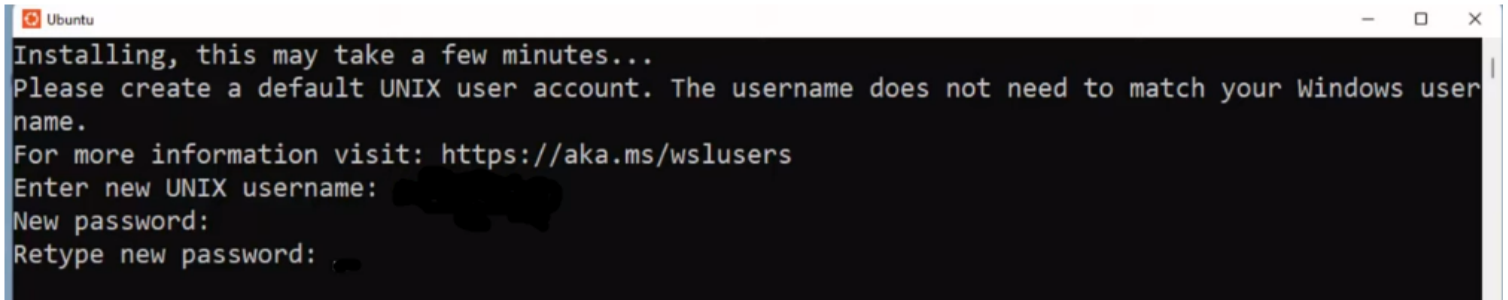
4. After downloading, open the Ubuntu App.

Sometimes you may get **Error Messages** as shown below:



In case you get an **error message** as shown above, click [here](https://aka.ms/wsl2kernel) to download the package. After the download is complete, install the package and reopen Ubuntu App.

Once done, you'll be asked to set username and password.

A screenshot of a terminal window titled 'Ubuntu'. The text inside the terminal reads: 'Installing, this may take a few minutes... Please create a default UNIX user account. The username does not need to match your Windows user name. For more information visit: https://aka.ms/wslusers Enter new UNIX username: [redacted] New password: [redacted] Retype new password: [redacted]'. The redacted areas represent where the user has entered their chosen username and password.

```
Installing, this may take a few minutes...
Please create a default UNIX user account. The username does not need to match your Windows user
name.
For more information visit: https://aka.ms/wslusers
Enter new UNIX username: [redacted]
New password: [redacted]
Retype new password: [redacted]
```

You can choose and type any username. After typing the username, press the enter key. While typing the password, you won't be able to see it. So make sure you type it correctly and you should retype the exact same password in the "retype new password" section.

5. Type the following commands one by one and press enter each time:

```
sudo apt update
sudo apt install make
sudo apt install g++
sudo apt install libx11-dev
sudo apt install x11-apps
wget https://www.cse.iitb.ac.in/~ranade/simplecpp/simplecpp.tar
tar -xvf simplecpp.tar && cd simplecpp
./configure.sh
vim ~/.bashrc
```

The file will open up. Press **i** key on the keyboard and type the following (take help of the TA)

```
export DISPLAY=:0.0
export PATH="$PATH:$HOME/simplecpp"
```

To save and exit type **:wq**

6. Quit the command line so that the environment variables are set properly.