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Part 1:

Install Ubuntu 18.04 into wsl-2 on your Windows 10 computer

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1. Ensure that your version of Windows 10 is Version 1903 or higher, with Build 18362 or higher.
    -> type 'System Information' in the Windows search bar and open it
    -> You will see the Version listed (in my case it is 10.0.19042 Build 19042)
    -> if it is an older version and build then update to the most recent
    -> type 'Check for updates' in the windows search bar and open it
    -> Update all windows updates and restart is asked

2. Ensure that you have enabled virtualisation in the BIOS
    -> restart your machine and as it restarts hold down the BIOS key, usually F2, F11 or Esc depending on manufacturer
    -> Navigate in the BIOS settings for "Virtualisation" and ensure it is enabled, every manufacturer will have a slightly different BIOS menu system
    -> Restart the machine and accept any updates if requested

3. Enable dependencies
    -> type 'Turn Windows features on or off' in the windows search bar and open it
    -> ensure that 'Virtual Machine Platform' and 'Windows Subsystem for Linux' have been ticked
    -> If you have selected either click ok and restart if requested

4. Ensure wsl version2 is installed and selected
    -> download wsl update installer from here: https://wslstorestorage.blob.core.windows.net/wslblob/wsl_update_x64.msi
    -> run the installer (follow instructions)
    -> Open a Powershell as adminstrator
    -> run the command 'wsl --set-default-version 2'

5. Install Ubuntu 18.04
    -> type 'Microsoft store' in the windows search bar and open it
    -> type 'Ubuntu' in the Microsoft store search
    -> select Ubuntu 18.04, 'Get' and then 'install' (approximately 270MB)

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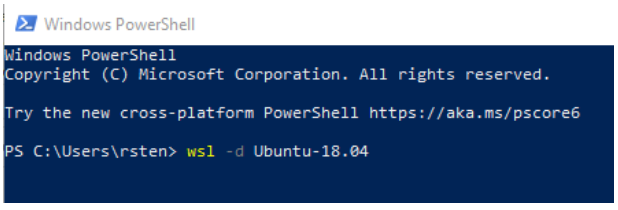
Part 2:

Conda environment

Using the wsl:

-> Open a Powershell

-> run the command ‘wsl -d Ubuntu-18.04’



In WSL or Linux terminal:

1) Navigate to folder containing the environment.yml file
2) Create the environment

```
conda env create --prefix ./env --file environment.yml
```

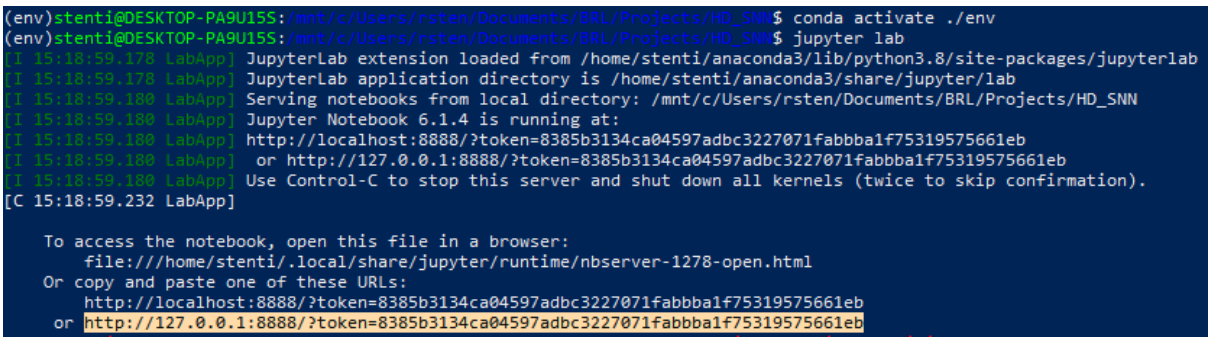
3) Activate the environment:

```
conda activate ./env
```

The environment contains all of the libraries etc required, including Numpy and NEST

4) Launch Jupyter notebooks

```
jupyter lab
```



5) WSL ONLY: Open in browser

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Part 3:
Day to day usage

-> Open a Powershell
-> run the command ‘wsl -d Ubuntu-18.04’
-> navigate to the environment folder
-> activate the environment

```
conda activate ./env
```

-> launch jupyter lab

```
jupyter lab
```