

Environments for Windows Users

- **WSL (Windows Subsystem for Linux)**
 - Easy (much better than before !), recommended
 - Windows 10 or later
 - “Administrator Privileges” needed
- **Cygwin**
 - My favorite for a long time
 - A little bit complicated procedures for installation, which takes a long time
 - More memory and storage needed
 - NO “Administrator Privileges” needed
 - <https://www.cygwin.com/>

WSL (1/2)

Windows-Subsystem-for-Linux

- Windows 10 Ver.2004 (build 19041) or later, Windows 11
 - Win+r > type [winver] > click [OK]
- Launch “Win. PowerShell” or “Win. Command Prompt” with administrator privileges, and type as follows:
 - Essential software/tools (e.g. ssh-keygen, cc, gcc nano etc.) are installed by this command

```
$ wsl --install
```

WSL (2/2)

Windows-Subsystem-for-Linux

- Once in the WSL environment, please install necessary tools (e.g. gfortran, make) by yourself. WSL also provides instructions for installation. “make” must be installed manually.

```
$> sudo apt install gfortran  
$> sudo apt install make
```

- emacs

```
$> sudo add-apt-repository ppa:kelleek/emacs  
$> sudo apt update  
$> sudo apt install emacs26
```

- Please update/upgrade frequently

```
$> sudo apt update  
$> sudo apt upgrade
```