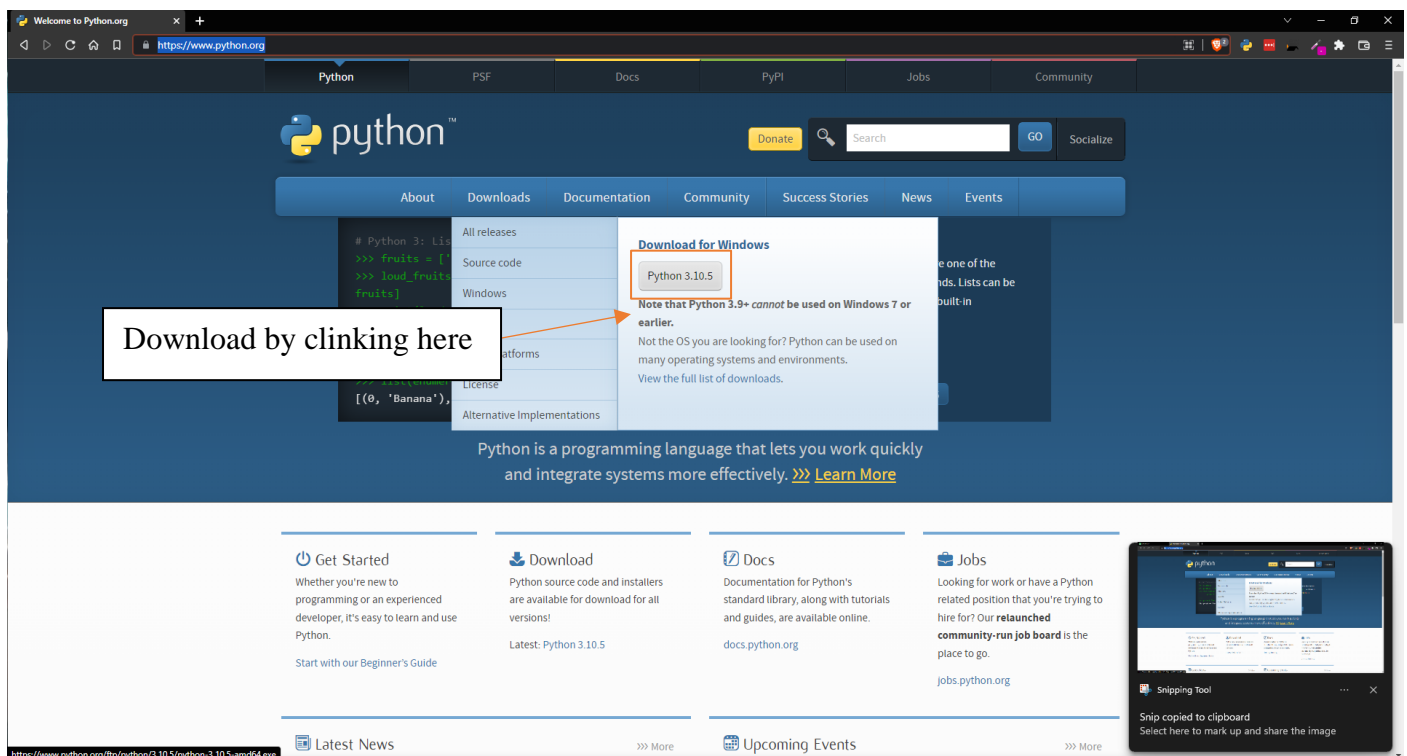


Software requirement for AI with Python

1. Python:

Go to : <https://www.python.org/>

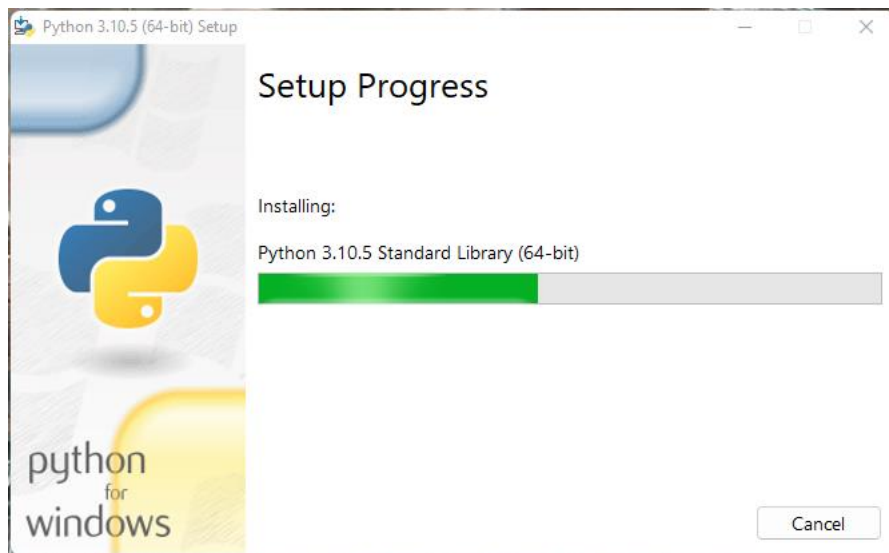


:

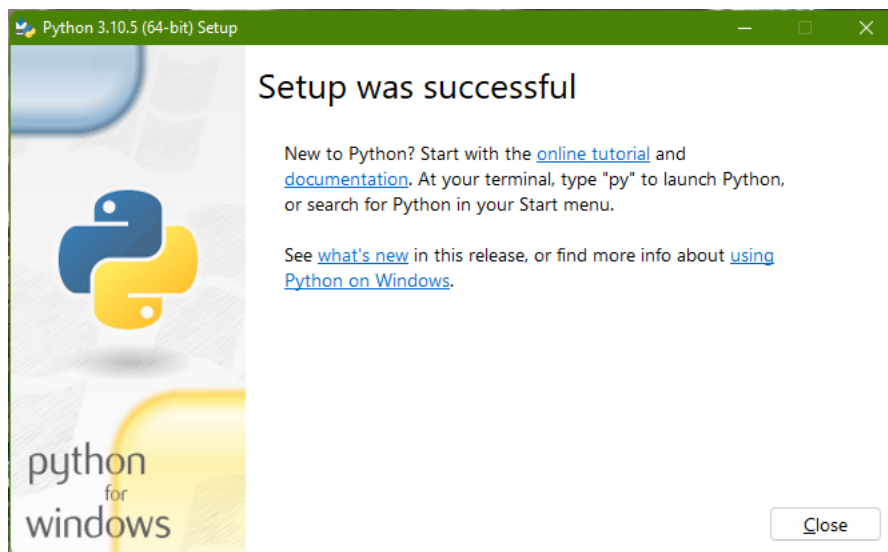
Open the saved File



Python will get installed

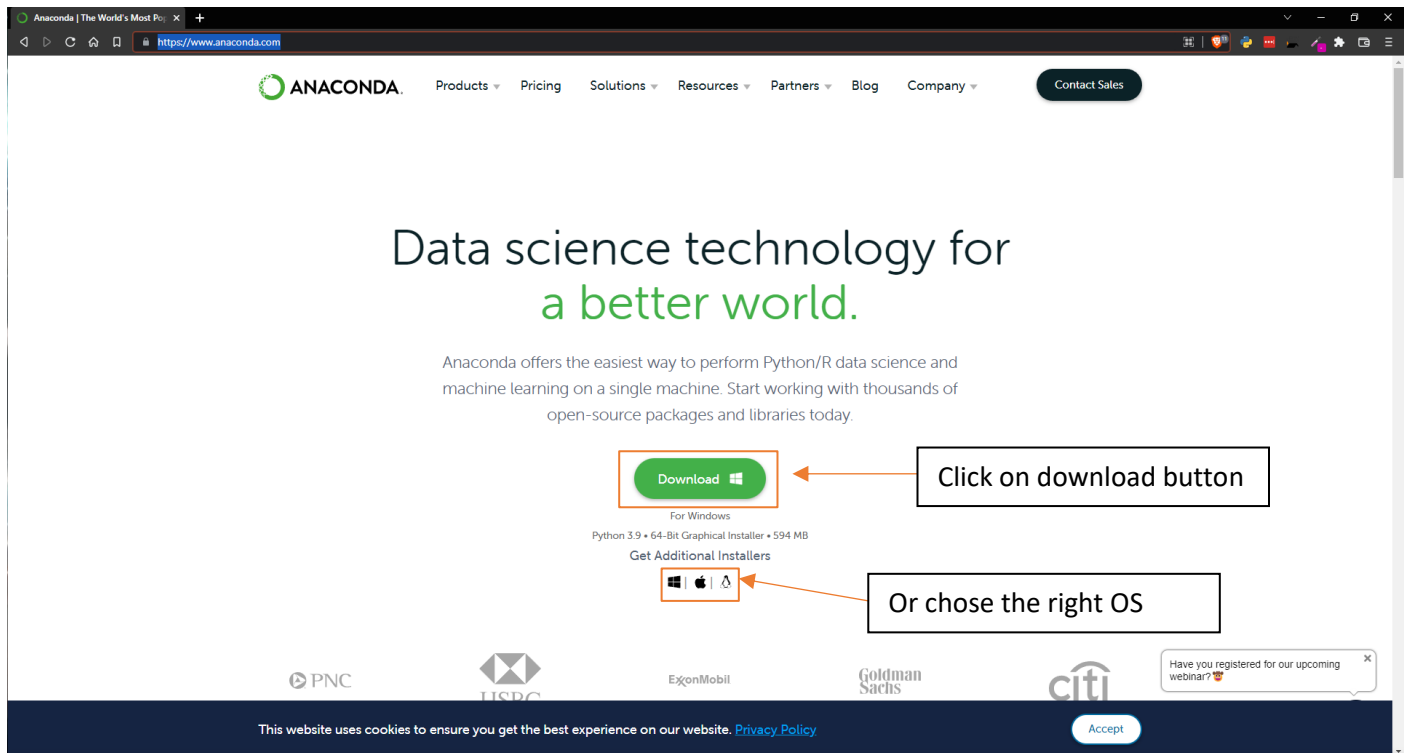


Python Setup complete

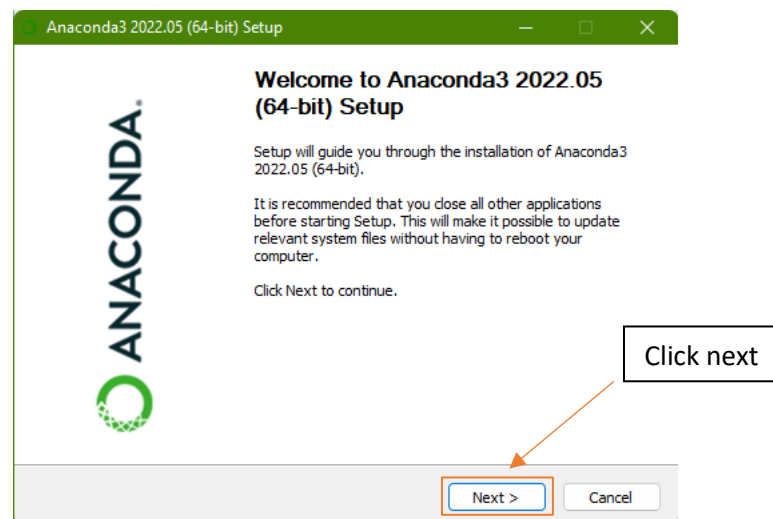


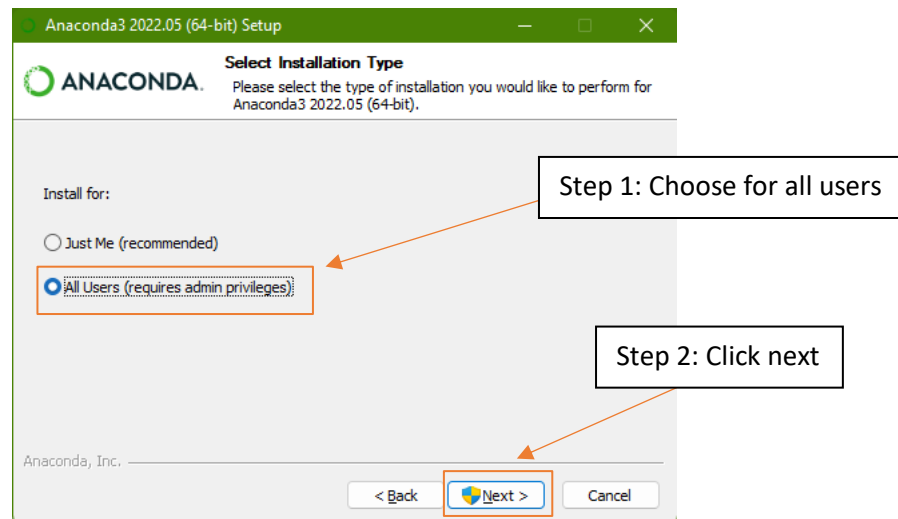
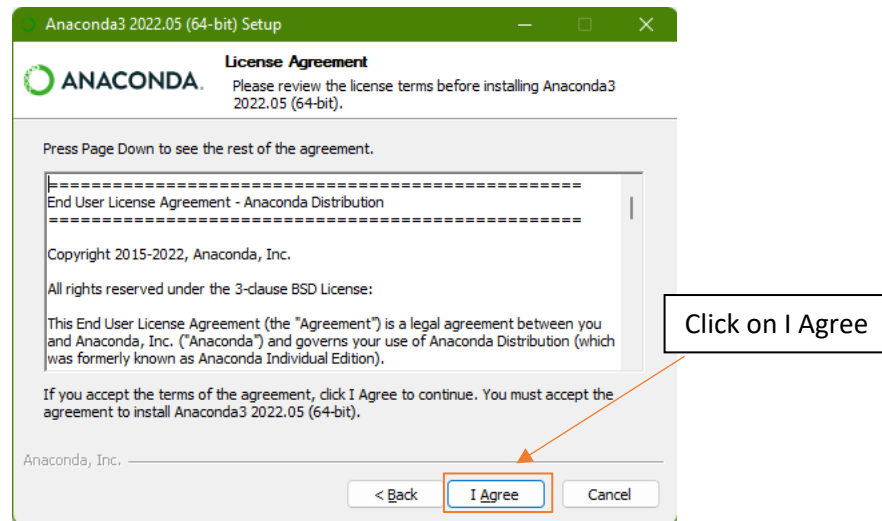
2. Anaconda:

Go to: <https://www.anaconda.com/>

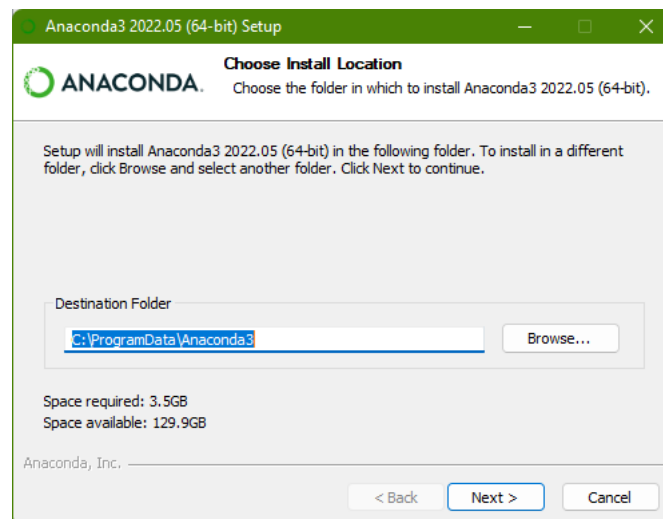


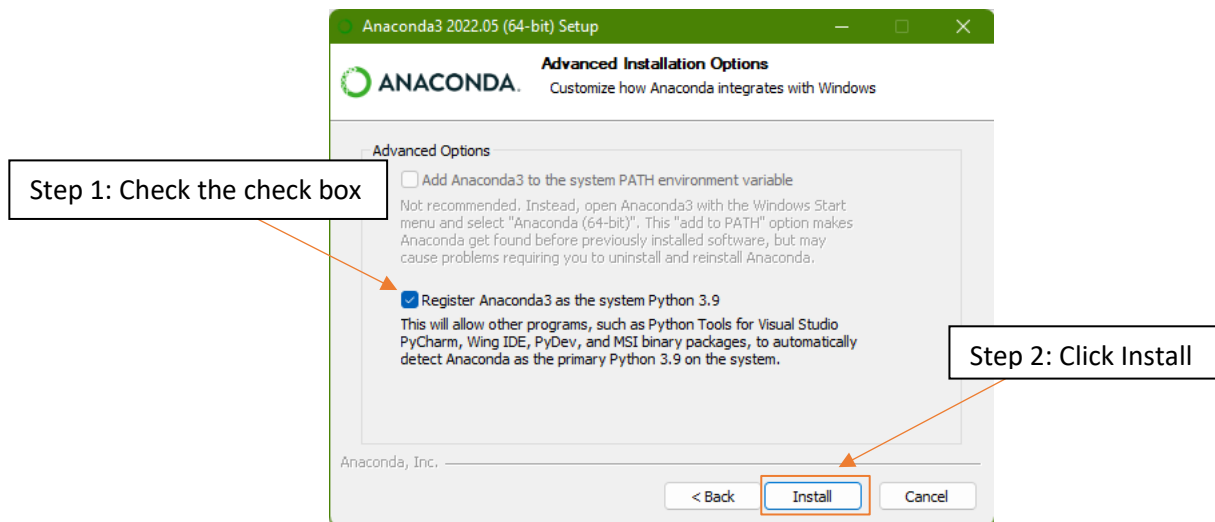
Open the saved file



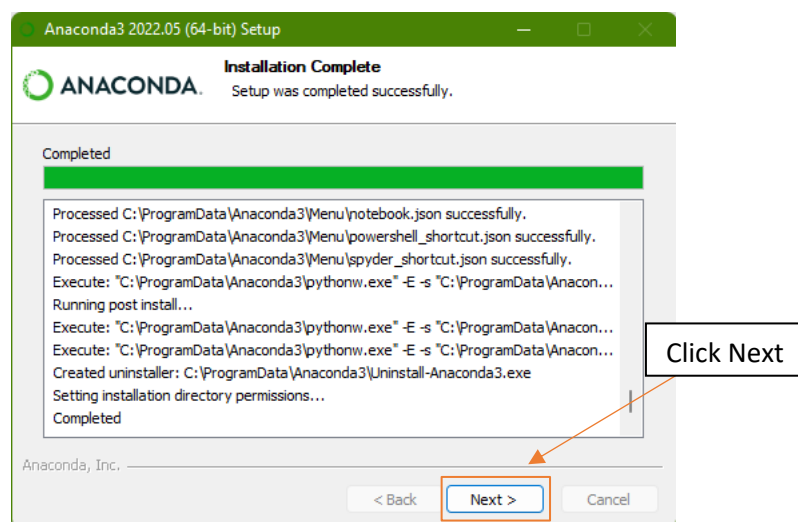


Use default location for installation



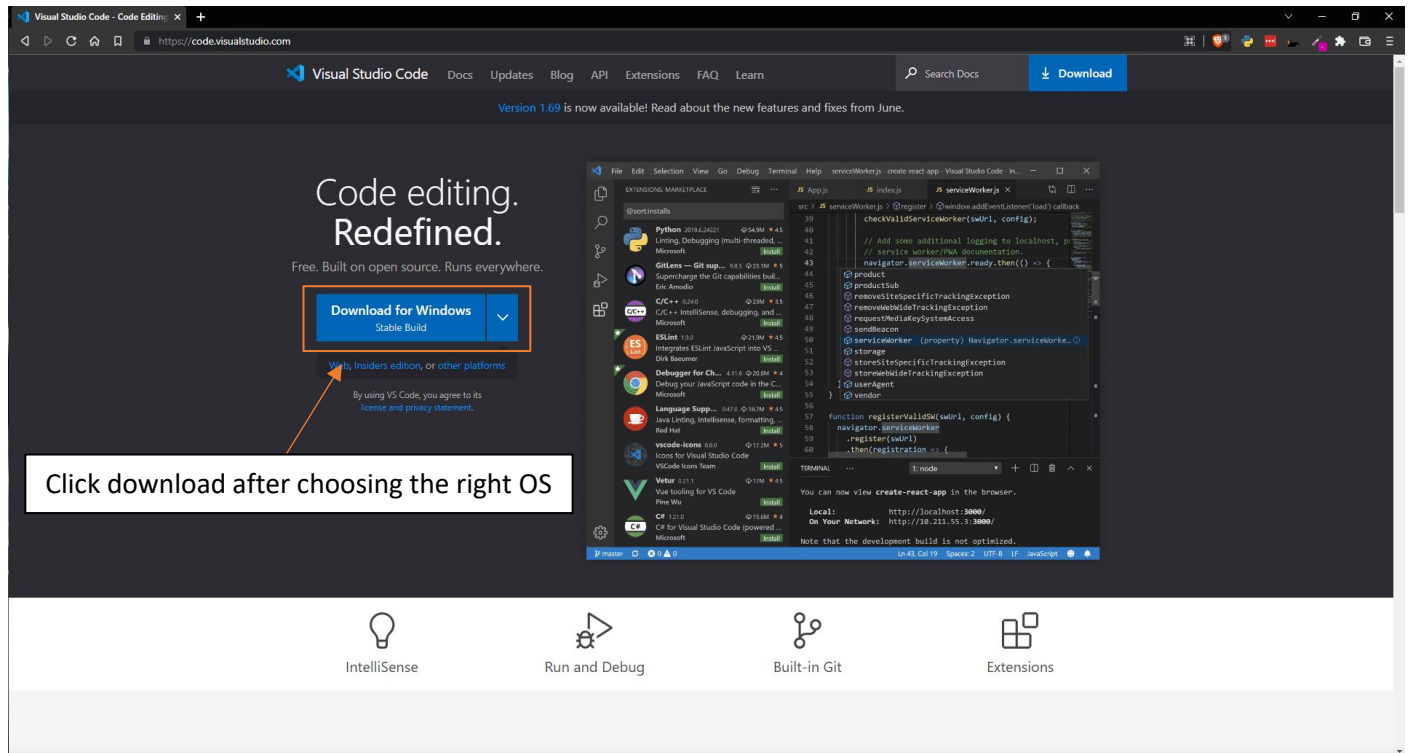


Installation complete

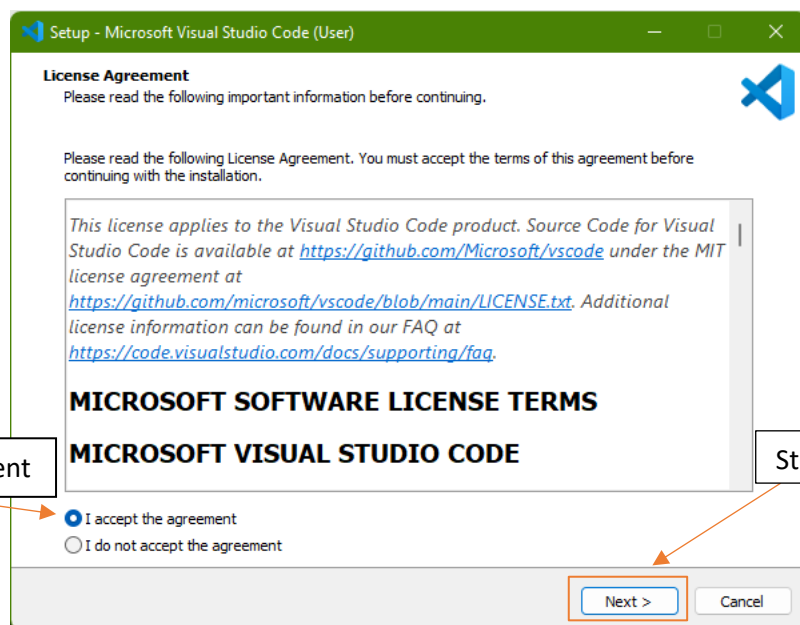


3. VS Code

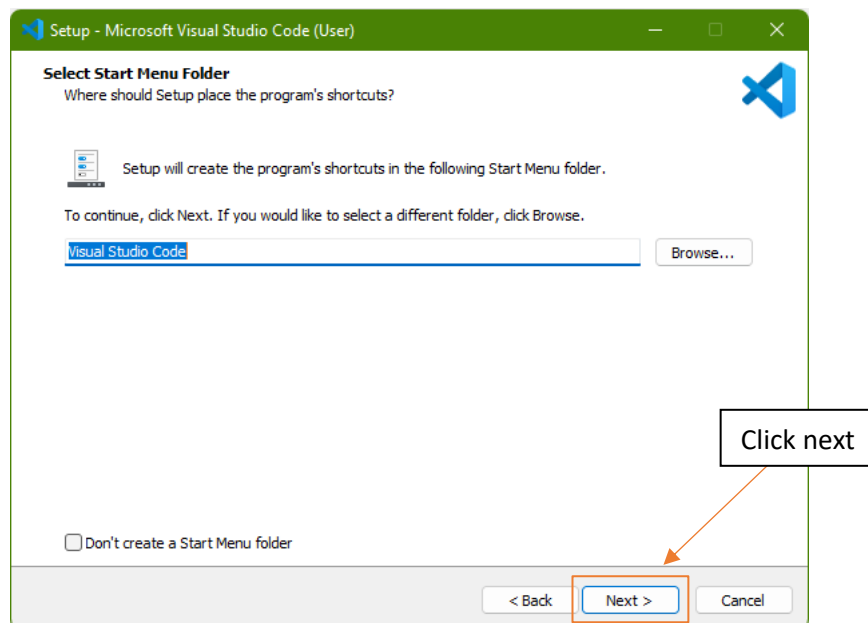
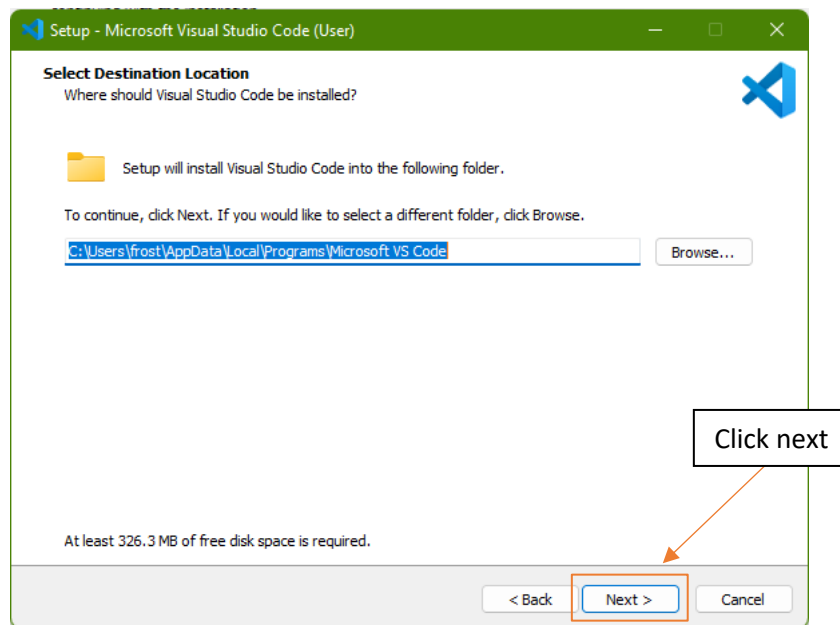
Go to: <https://code.visualstudio.com/>

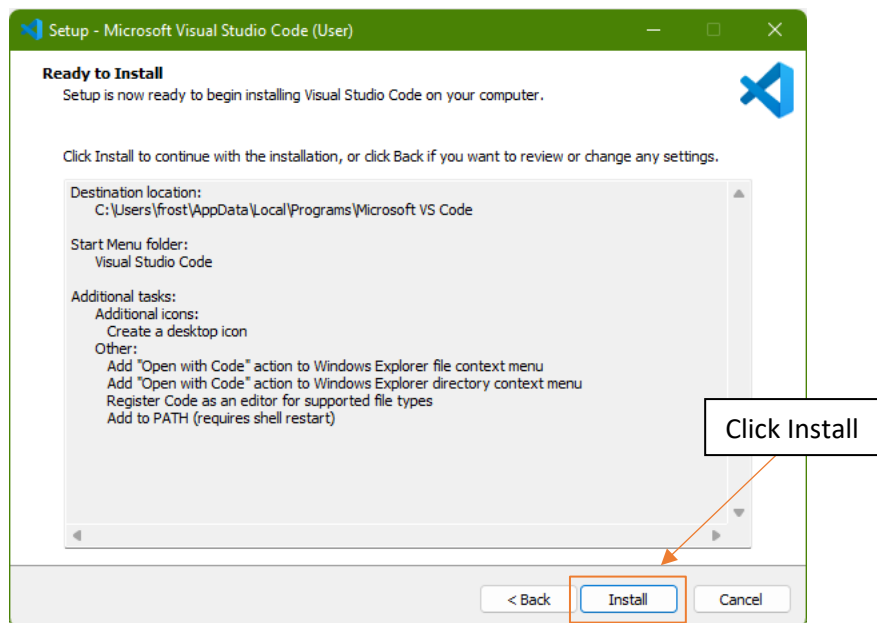
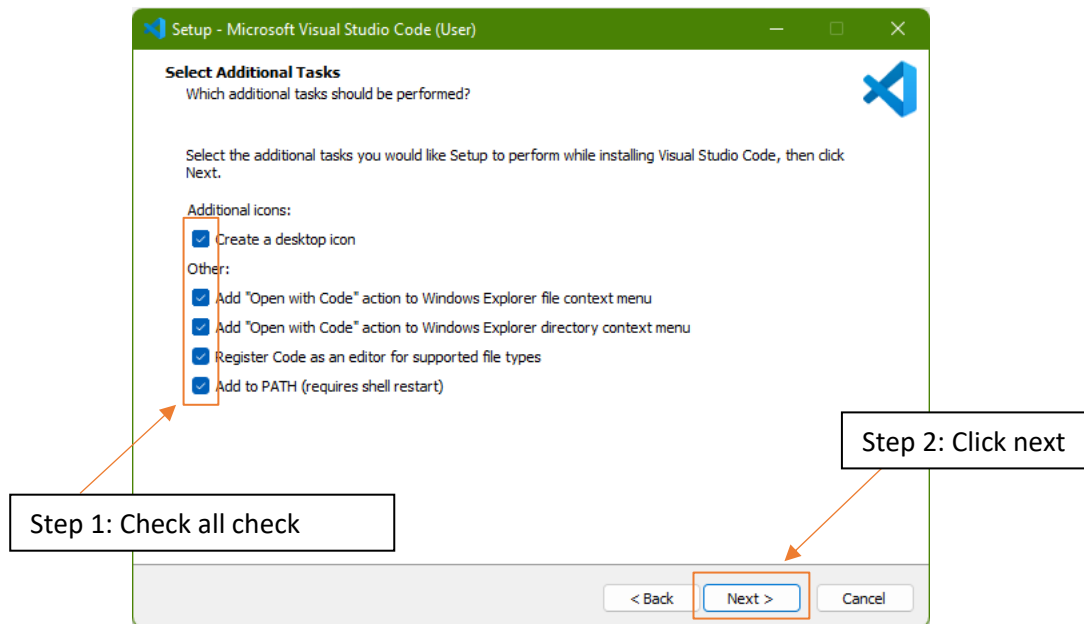


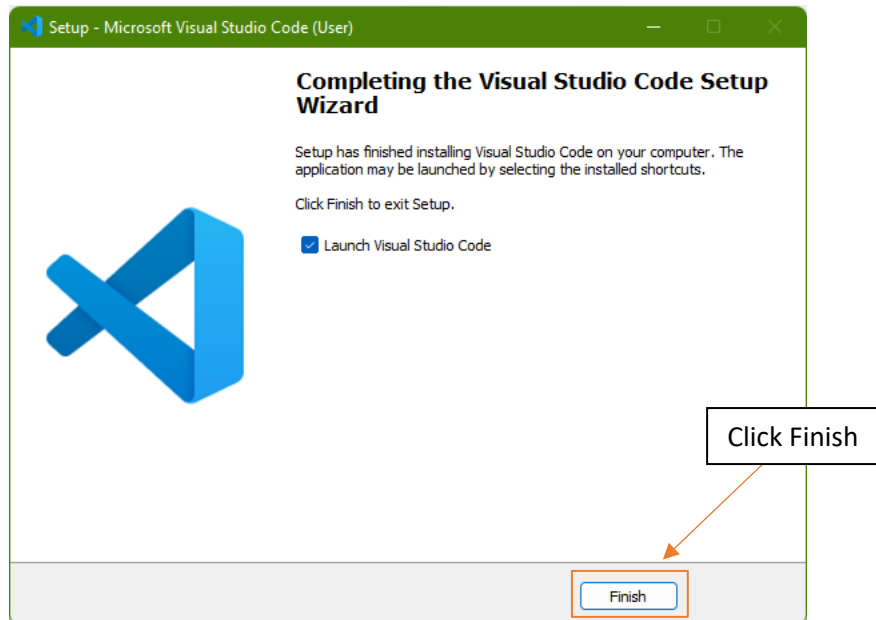
Open the saved file



Use default location

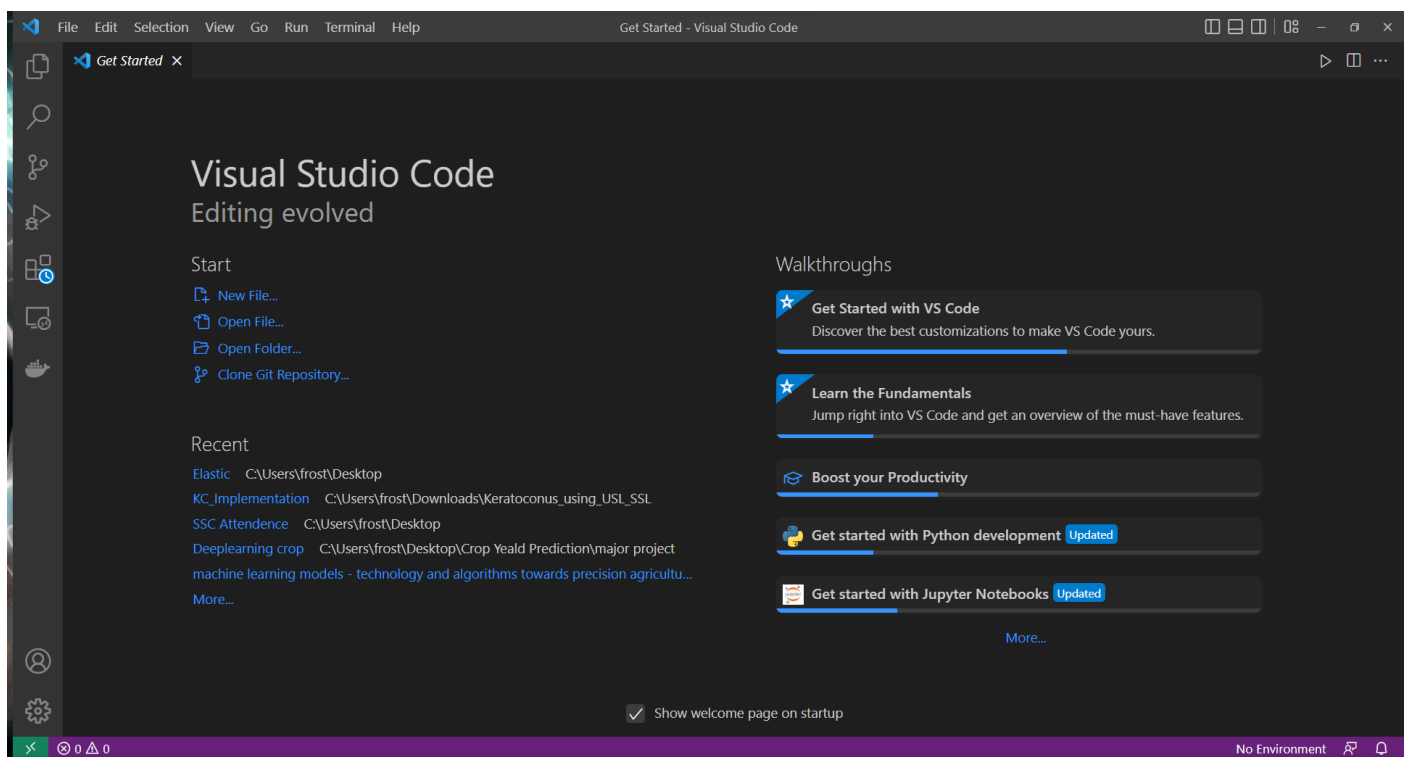






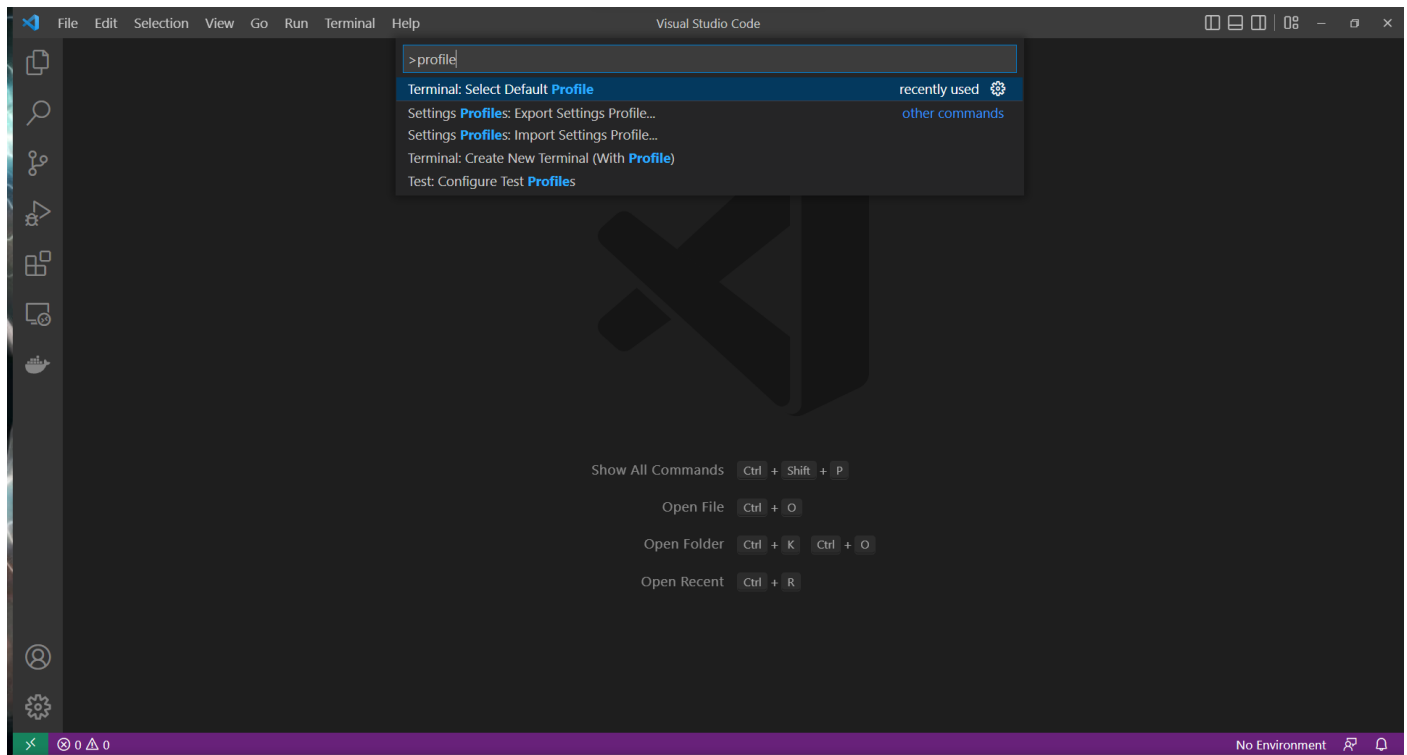
4. VS Code anaconda setup

Open VS Code

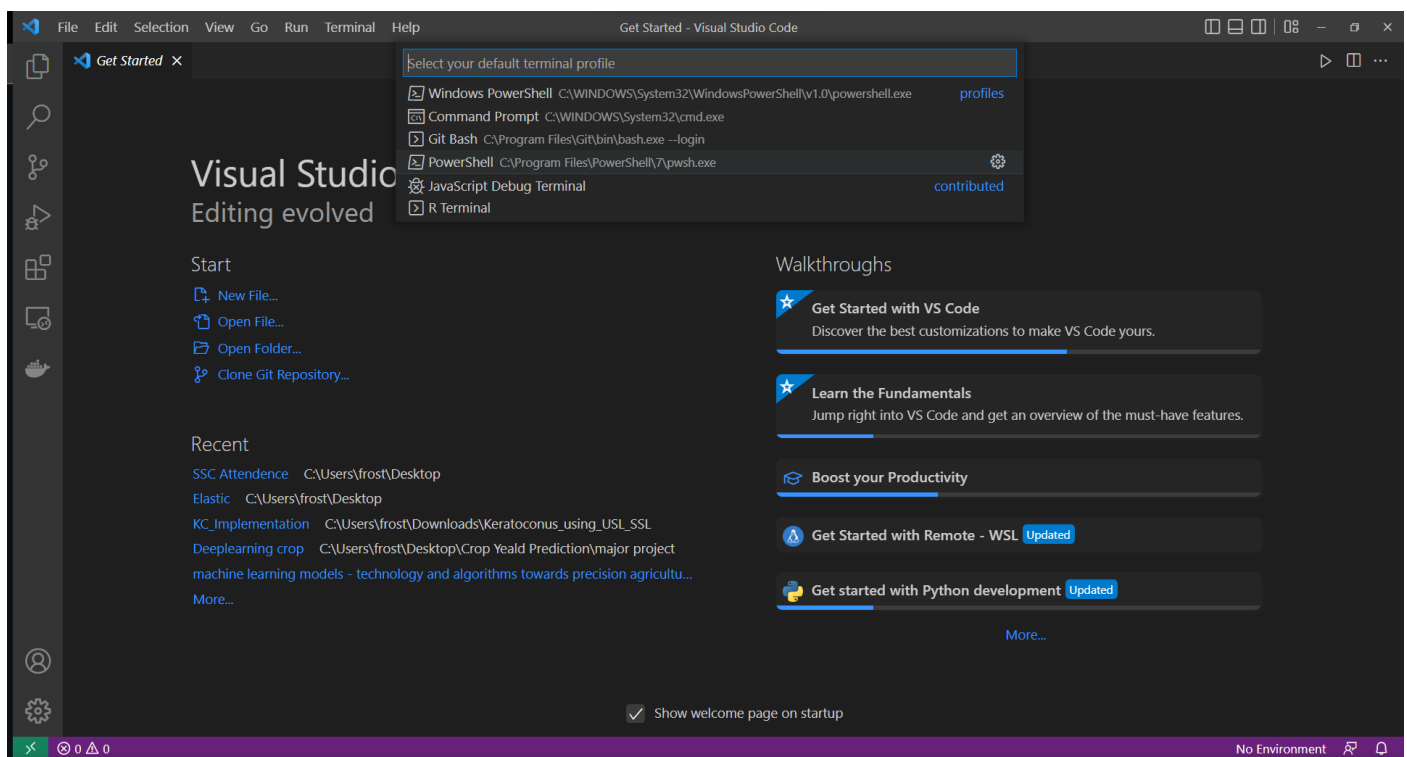


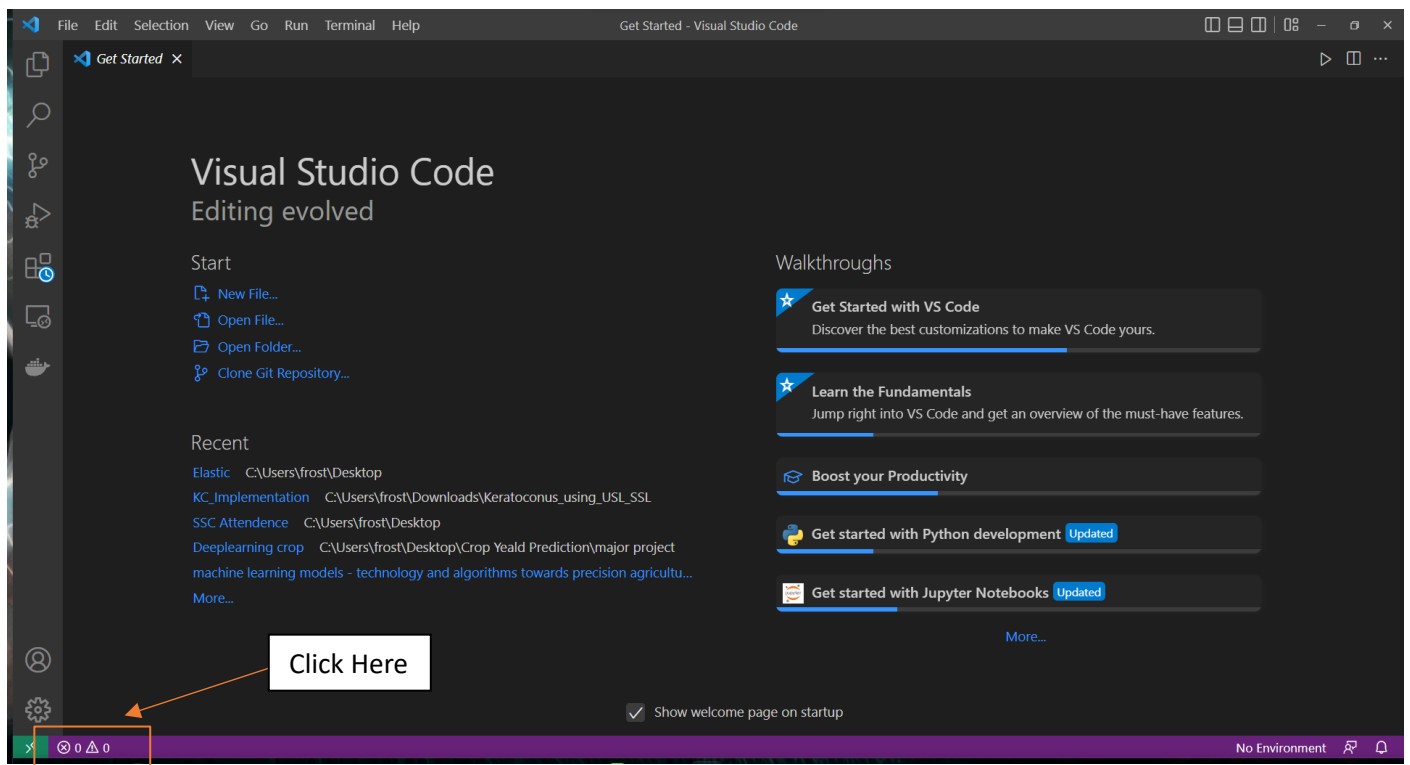
Press: Ctrl + Shift + P

select default profile

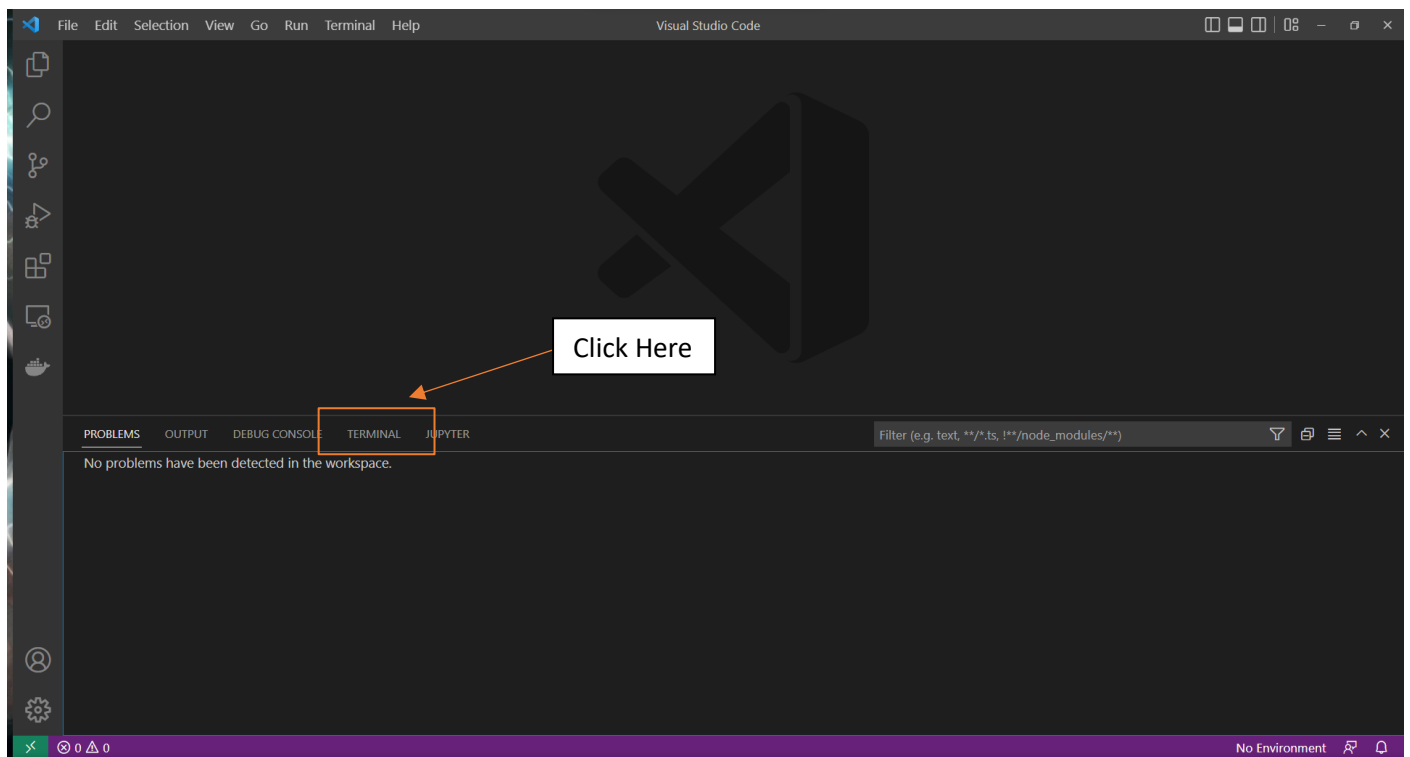


Select Windows PowerShell

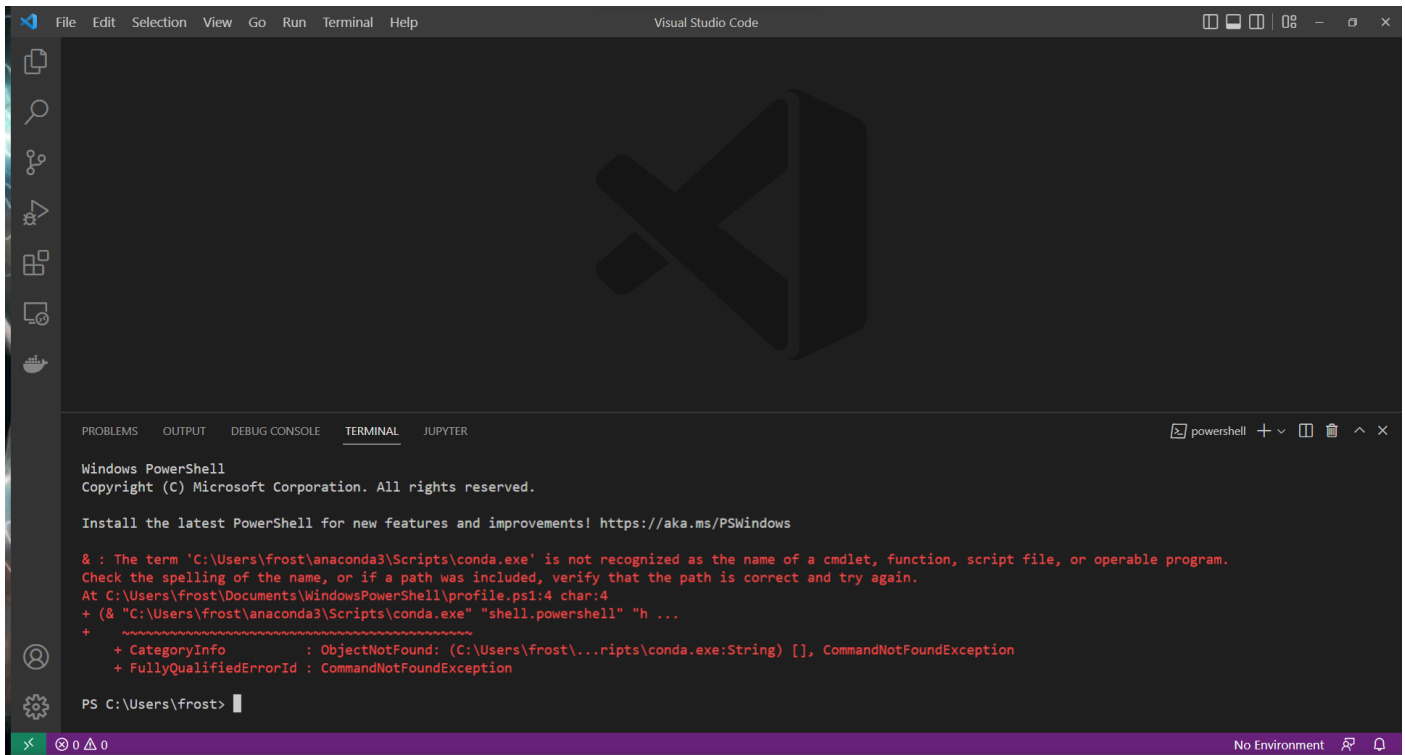




Select terminal



if you see this error follow the next steps else all setup is done.



The screenshot shows the Visual Studio Code interface with a terminal window open. The terminal is running PowerShell and displays the following error message:

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

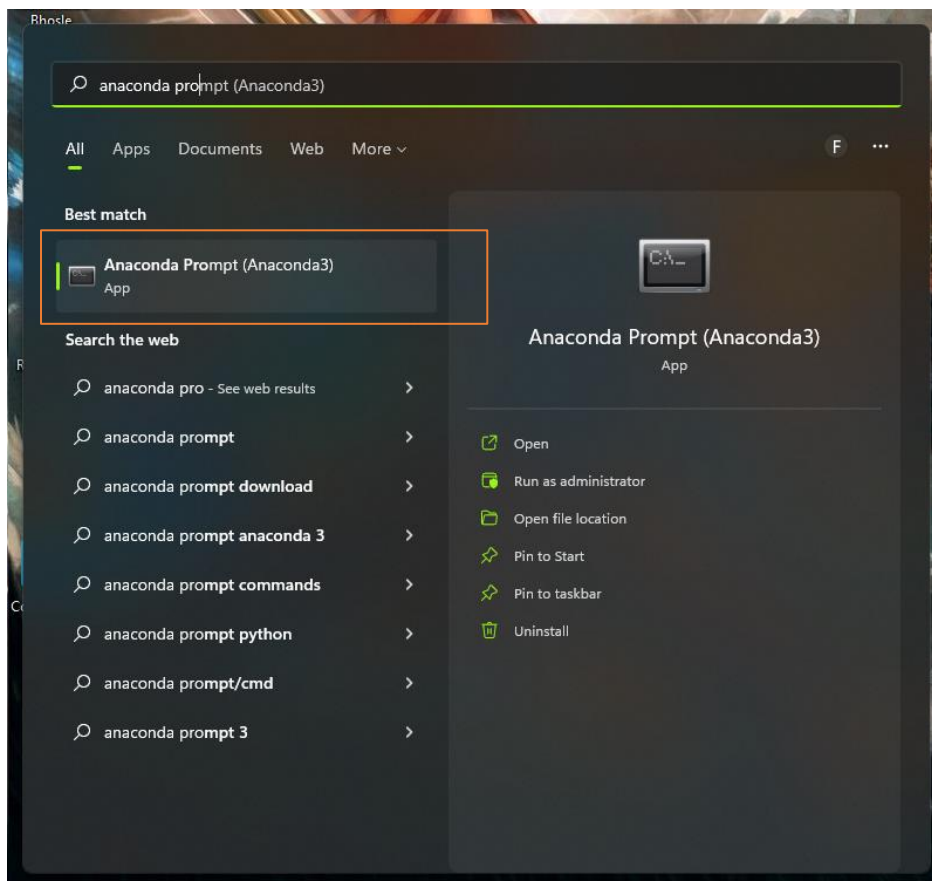
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

& : The term 'C:\Users\frost\anaconda3\Scripts\conda.exe' is not recognized as the name of a cmdlet, function, script file, or operable program.
Check the spelling of the name, or if a path was included, verify that the path is correct and try again.
At C:\Users\frost\Documents\WindowsPowerShell\profile.ps1:4 char:4
+ (& "C:\Users\frost\anaconda3\Scripts\conda.exe" "shell.powershell" "h ...
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (C:\Users\frost\...ripts\conda.exe:String) [], CommandNotFoundException
+ FullyQualifiedErrorId : CommandNotFoundException

PS C:\Users\frost>
```

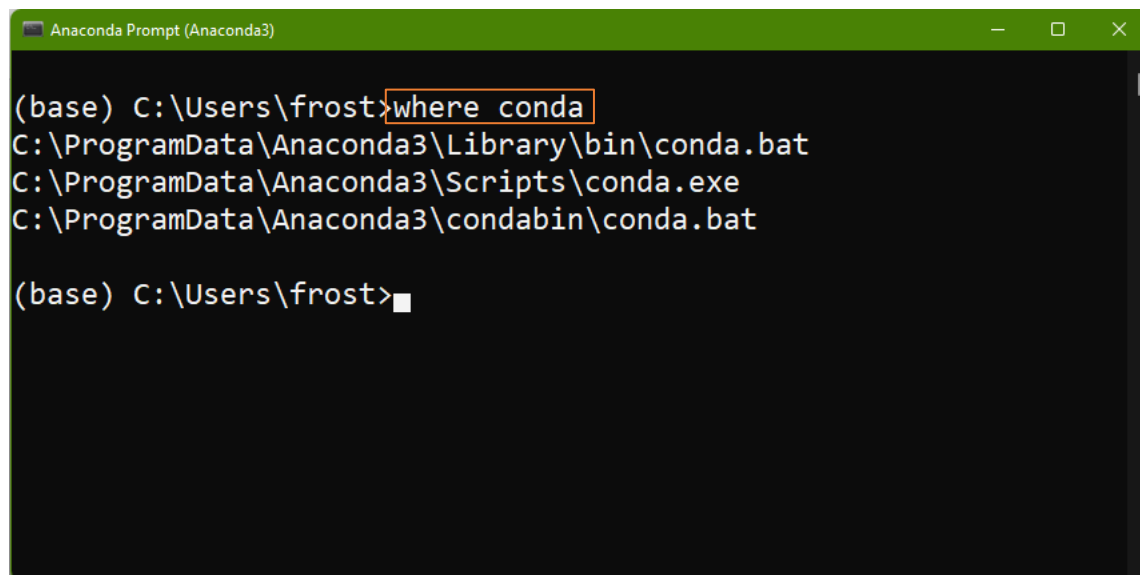
Resolve Anaconda error

1. open anaconda prompt



2. Check Conda Installed Location.

Command: where conda

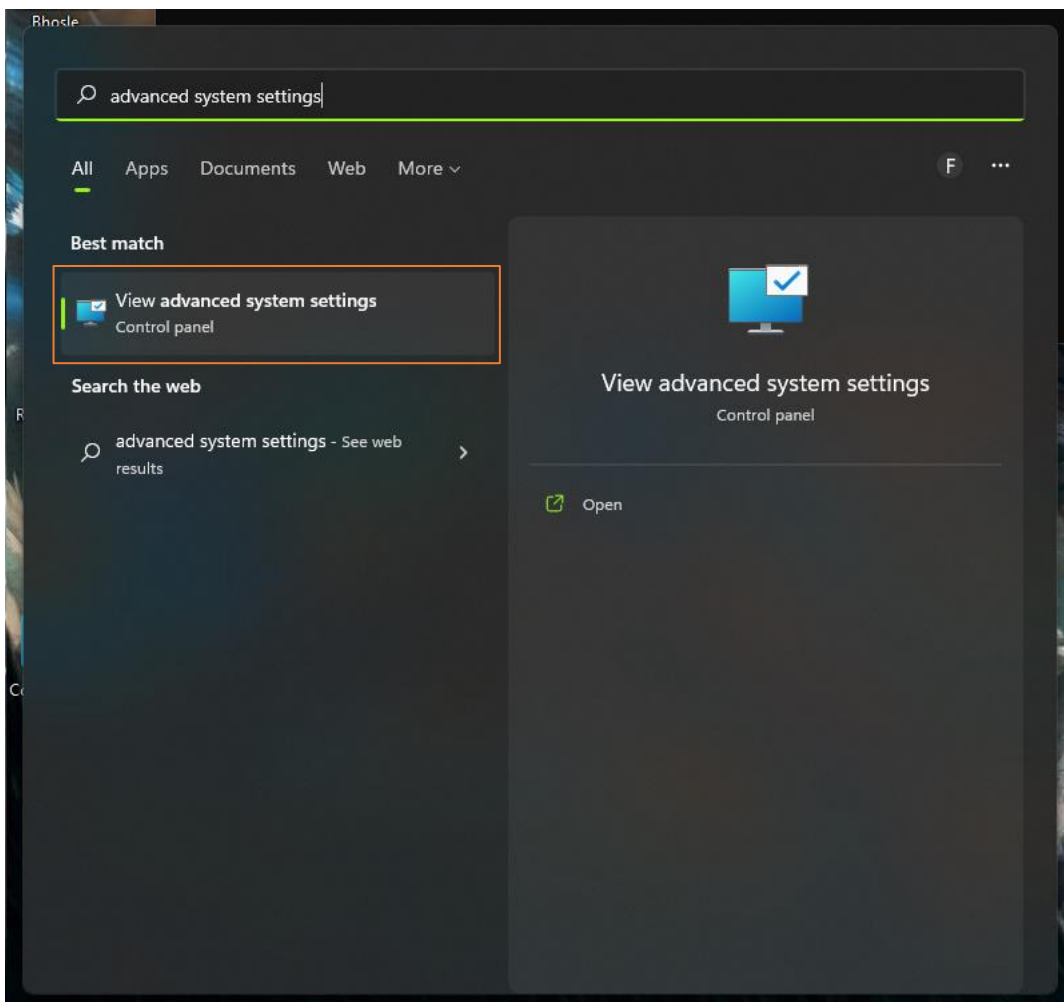


```
Anaconda Prompt (Anaconda3)

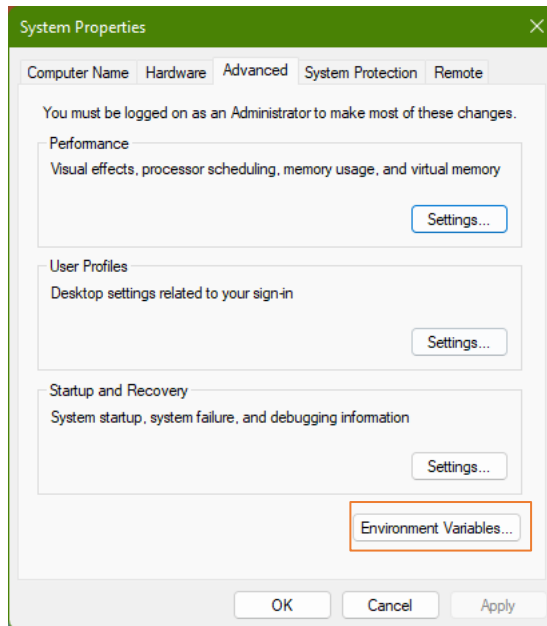
(base) C:\Users\frost>where conda
C:\ProgramData\Anaconda3\Library\bin\conda.bat
C:\ProgramData\Anaconda3\Scripts\conda.exe
C:\ProgramData\Anaconda3\condabin\conda.bat

(base) C:\Users\frost>
```

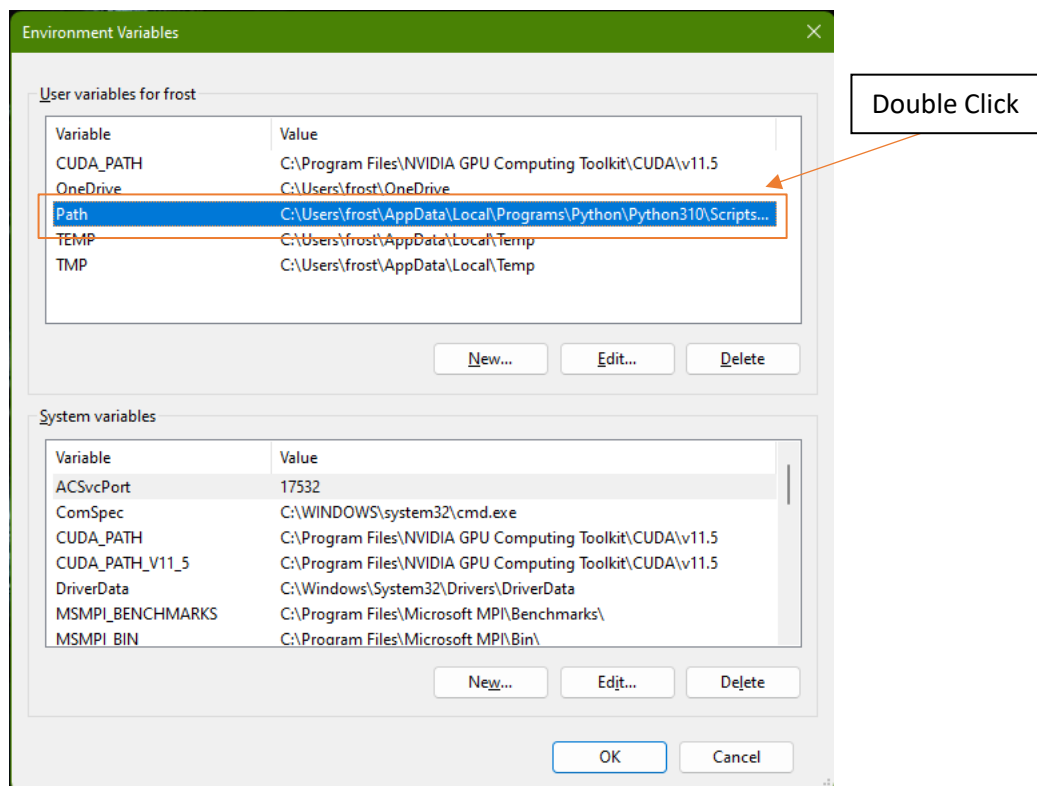
3. Open advanced system settings



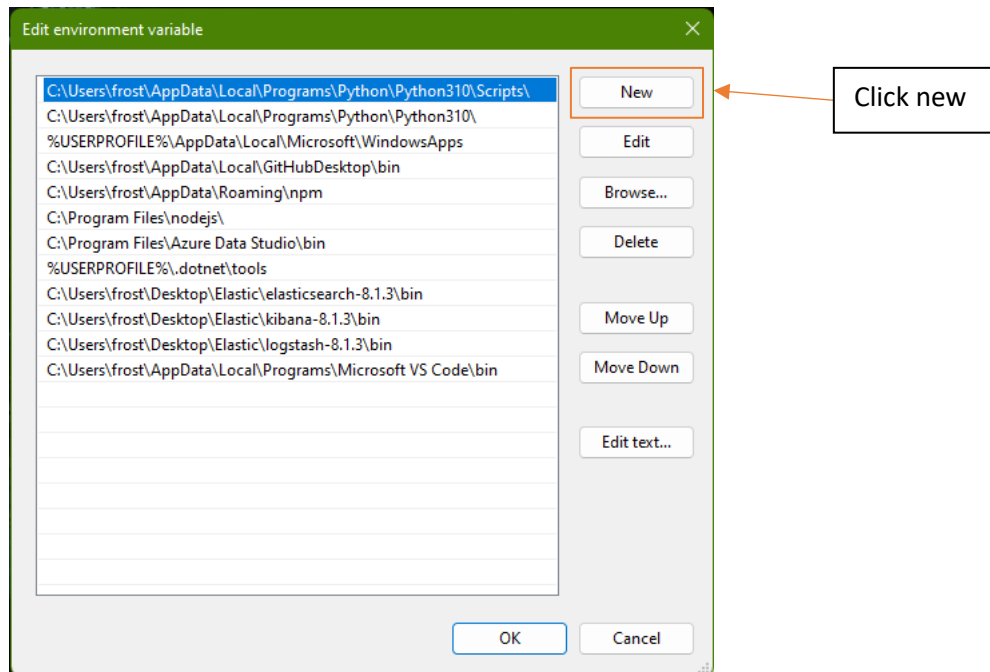
4. Click on Environment Variables



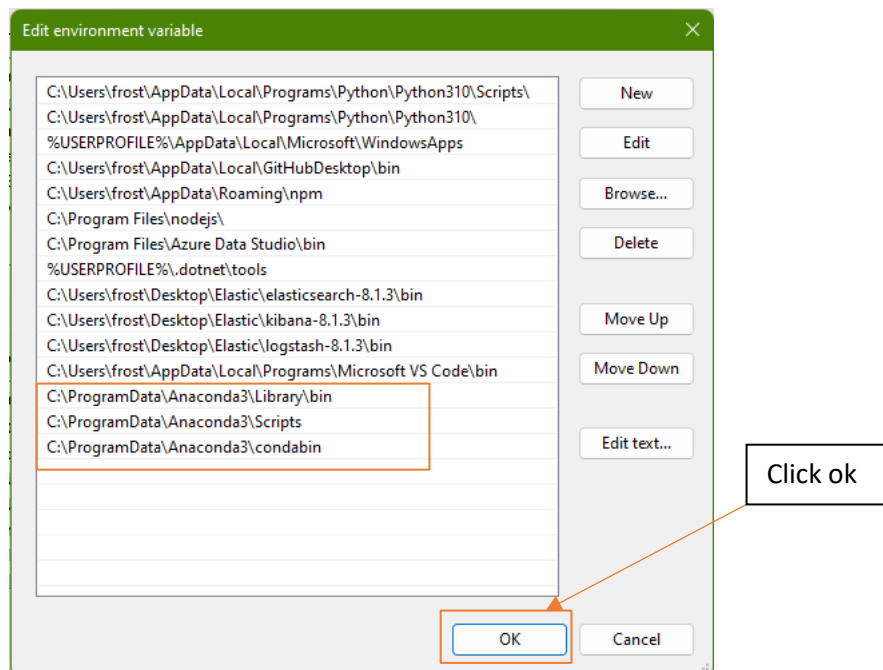
5. Edit Path



6. Add all 3 anaconda paths from anaconda prompt one by one



7. It should look something like this



8. Close all advanced system settings prompts and go back to anaconda prompt

9. Run the command: conda init powershell

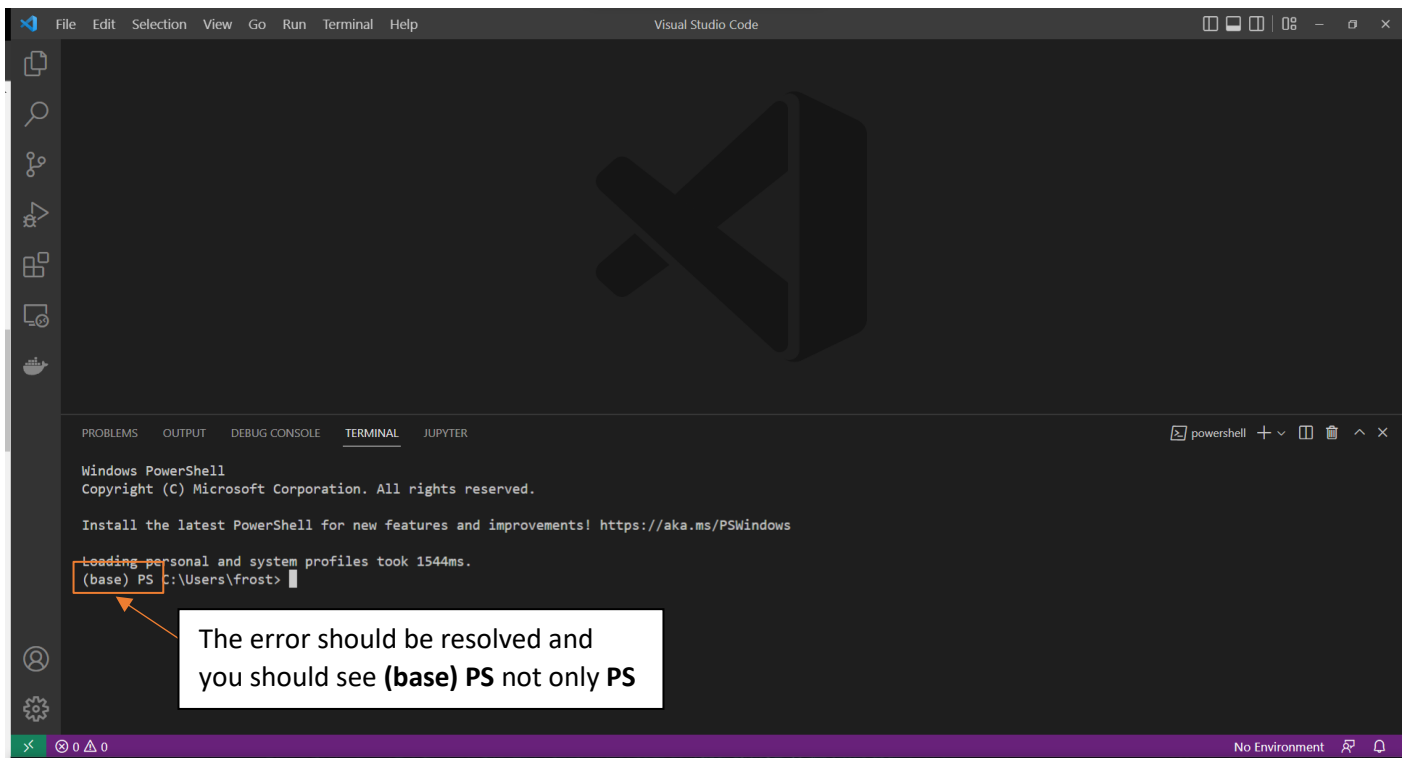
```
Anaconda Prompt (Anaconda3)
(base) C:\Users\frost>conda init powershell
no change      C:\ProgramData\Anaconda3\Scripts\conda.exe
no change      C:\ProgramData\Anaconda3\Scripts\conda-env.exe
no change      C:\ProgramData\Anaconda3\Scripts\conda-script.py
no change      C:\ProgramData\Anaconda3\Scripts\conda-env-script.py
no change      C:\ProgramData\Anaconda3\condabin\conda.bat
no change      C:\ProgramData\Anaconda3\Library\bin\conda.bat
no change      C:\ProgramData\Anaconda3\condabin\_conda_activate.bat
no change      C:\ProgramData\Anaconda3\condabin\rename_tmp.bat
no change      C:\ProgramData\Anaconda3\condabin\conda_auto_activate.bat
no change      C:\ProgramData\Anaconda3\condabin\conda_hook.bat
no change      C:\ProgramData\Anaconda3\Scripts\activate.bat
no change      C:\ProgramData\Anaconda3\condabin\activate.bat
no change      C:\ProgramData\Anaconda3\condabin\deactivate.bat
modified       C:\ProgramData\Anaconda3\Scripts\activate
modified       C:\ProgramData\Anaconda3\Scripts\deactivate
modified       C:\ProgramData\Anaconda3\etc\profile.d\conda.sh
modified       C:\ProgramData\Anaconda3\etc\fish\conf.d\conda.fish
no change      C:\ProgramData\Anaconda3\shell\condabin\Conda.psm1modified      C:\P
rogramData\Anaconda3\shell\condabin\conda-hook.ps1
no change      C:\ProgramData\Anaconda3\Lib\site-packages\xontrib\conda.xsh
modified       C:\ProgramData\Anaconda3\etc\profile.d\conda.csh
modified       C:\Users\frost\Documents\PowerShell\profile.ps1
modified       C:\Users\frost\Documents\WindowsPowerShell\profile.ps1

==> For changes to take effect, close and re-open your current shell. <==

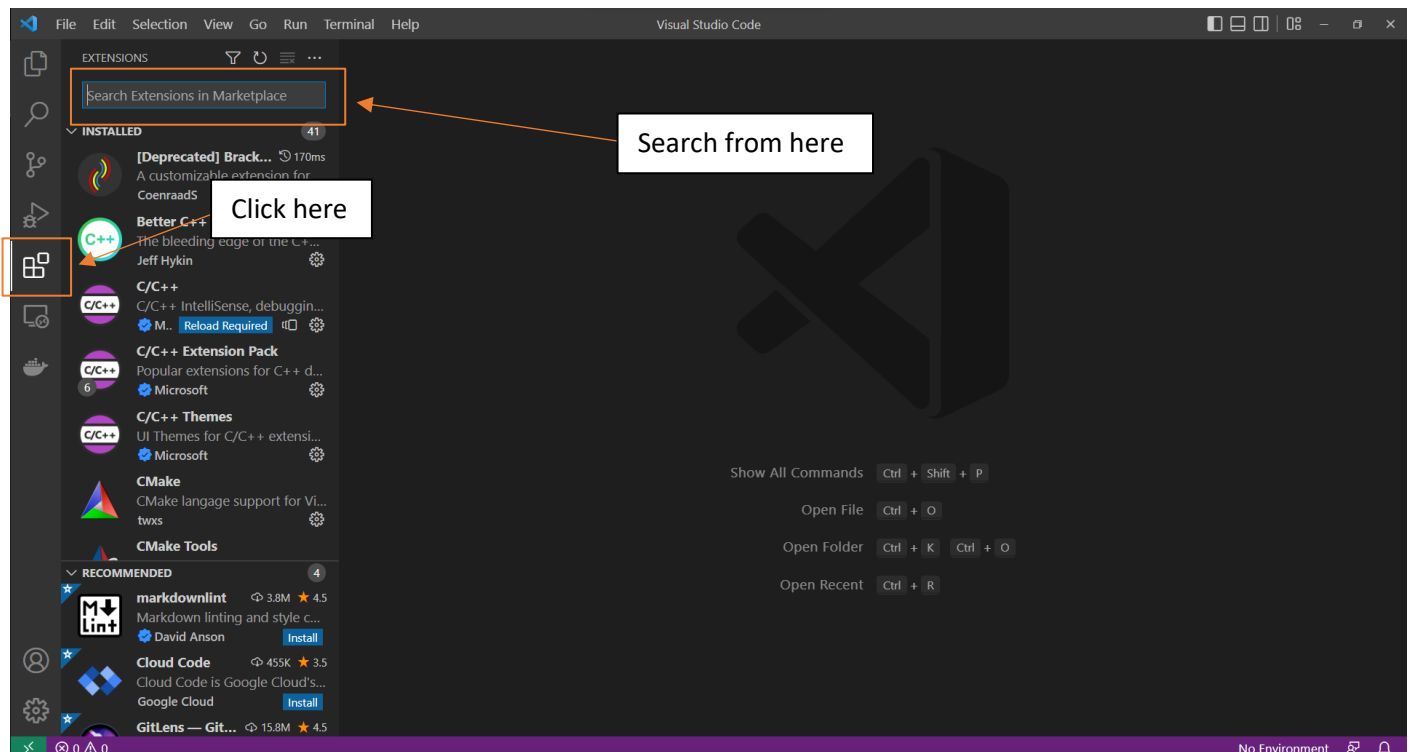
(base) C:\Users\frost>
```

10. Close anaconda prompt and VS Code


11. Open VS Code and start terminal as shown in previous section



5. Jupyter Integration with VC Code



Install the following extensions



Python


v2022.10.0

Microsoft | 60,028,574 | ★★★★★ (485)

IntelliSense (Pylance), Linting, Debugging (multi-threaded, remote), Jupyter Notebooks, code format...

[Disable](#) [Uninstall](#) [Switch to Pre-Release Version](#) ⚙️

This extension is enabled globally.



Jupyter

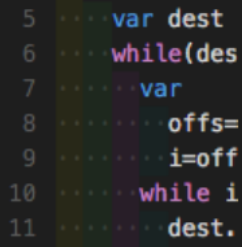
v2022.6.1001902341

Microsoft | 40,732,258 | ★★★★★ (225)

Jupyter notebook support, interactive programming and computing that supports Intellisense, debu...

[Disable](#) [Uninstall](#) [Switch to Pre-Release Version](#) ⚙️

This extension is enabled globally.



indent-rainbow


v8.3.1

oderwat | 3,545,652 | ★★★★★ (93)

Makes indentation easier to read

[Disable](#) [Uninstall](#) [Switch to Pre-Release Version](#) ⚙️

This extension is enabled globally.



IntelliCode

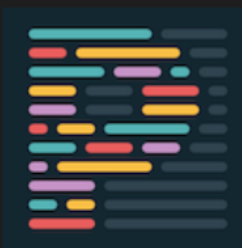
v1.2.22

Microsoft | 20,147,837 | ★★★★★ (75)

AI-assisted development

[Disable](#) [Uninstall](#) [Switch to Pre-Release Version](#) ⚙️

This extension is enabled globally.



Prettier - Code formatter

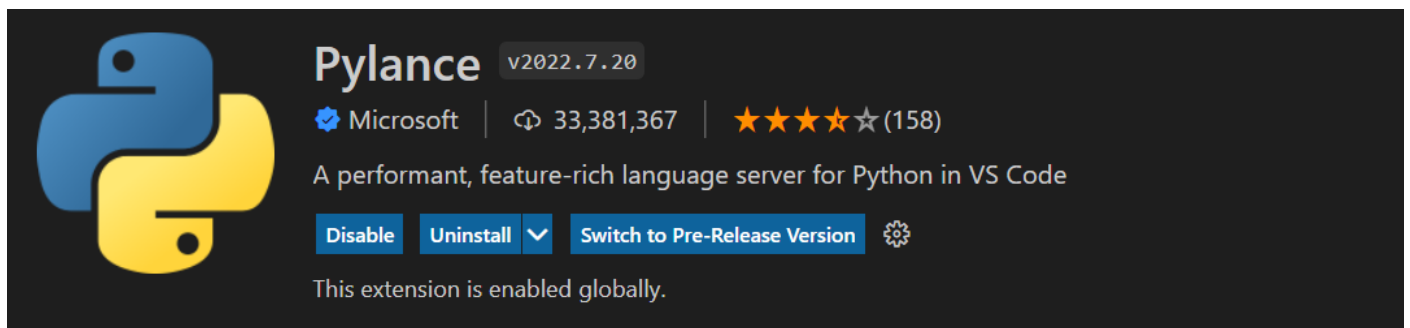
v9.5.0

Prettier | 22,532,160 | ★★★★★ (341)

Code formatter using prettier

[Disable](#) [Uninstall](#) [Switch to Pre-Release Version](#) ⚙️

This extension is enabled globally.



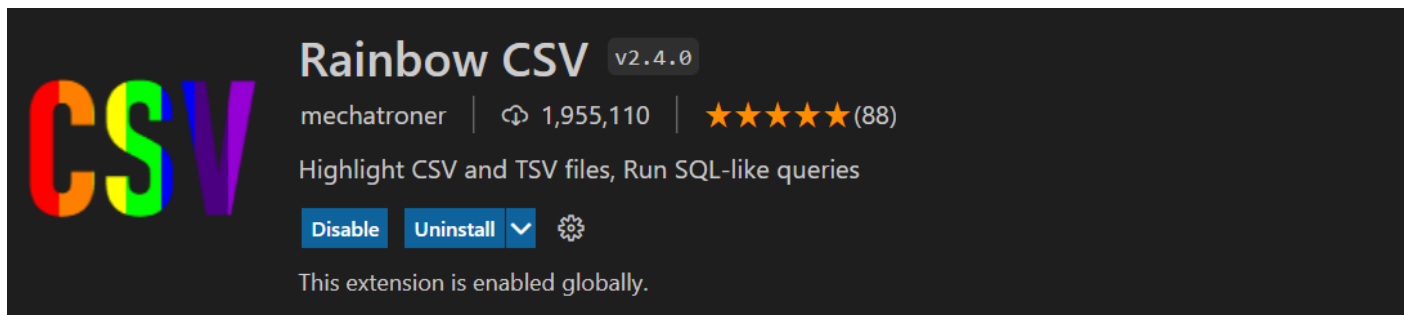
Pylance v2022.7.20

Microsoft | 33,381,367 | ★★★★★ (158)

A performant, feature-rich language server for Python in VS Code

[Disable](#) [Uninstall](#) [Switch to Pre-Release Version](#) ⚙️

This extension is enabled globally.



Rainbow CSV v2.4.0

mechatroner | 1,955,110 | ★★★★★ (88)

Highlight CSV and TSV files, Run SQL-like queries

[Disable](#) [Uninstall](#) [Switch to Pre-Release Version](#) ⚙️

This extension is enabled globally.

After all this you are ready for AI with Python