venv + django

STEP 1．建立資料夾
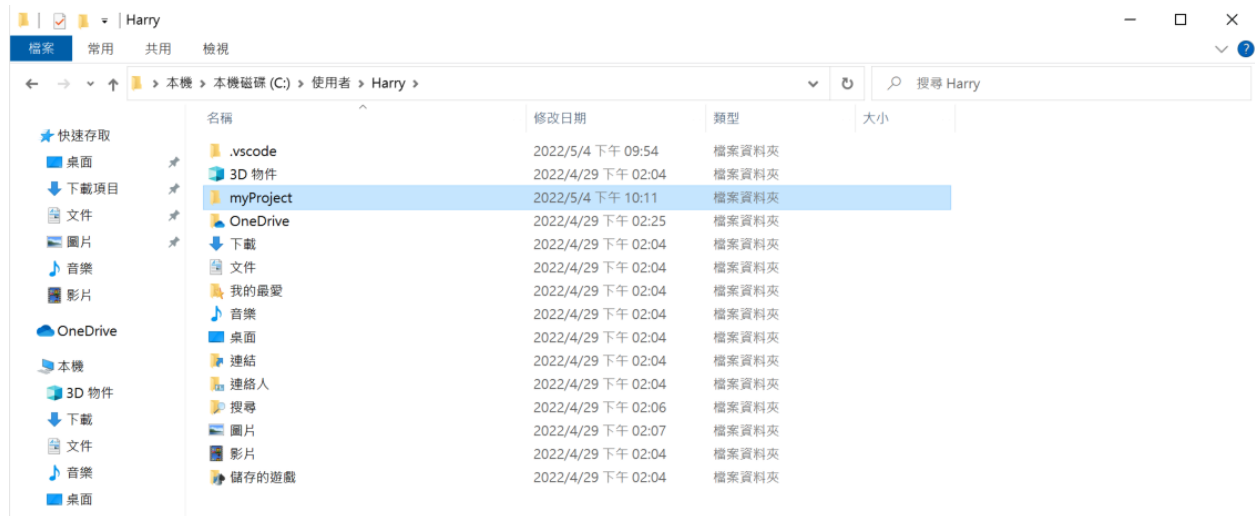
```
PS C:\Users\Harry> mkdir myProject


    目錄: C:\Users\Harry


Mode                LastWriteTime         Length Name
----                -------------         ------ ----
d-----        2022/5/4  下午 10:07                myProject


PS C:\Users\Harry> cd myProject
```
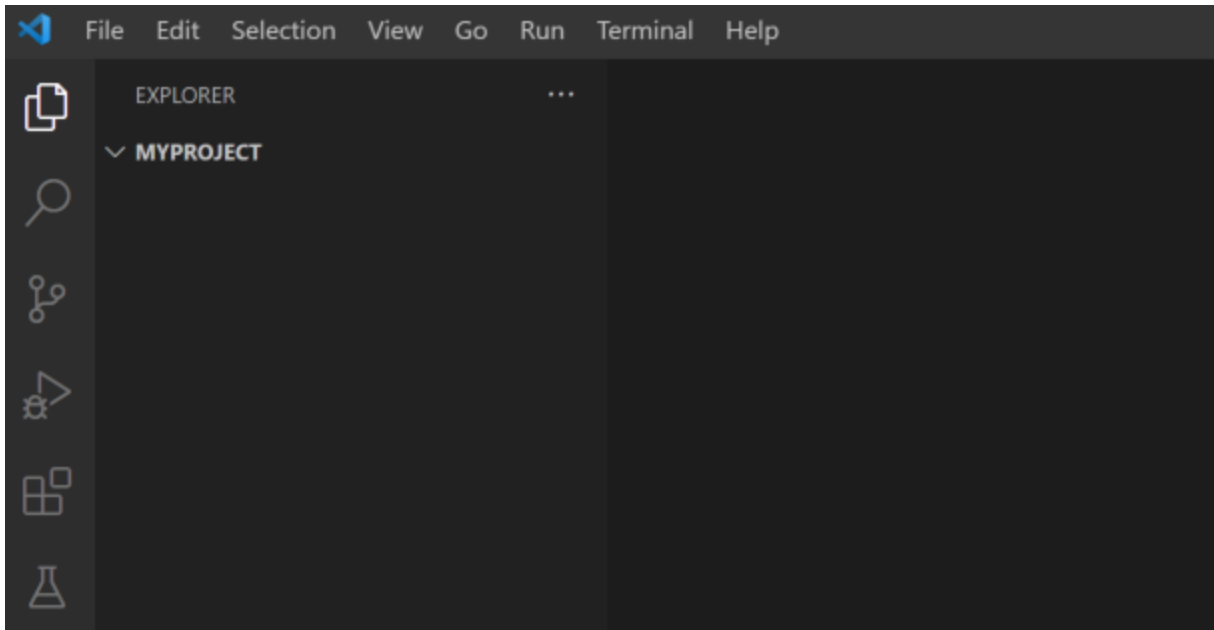
STEP 2．把剛剛建立的資料夾拖曳到 VSCODE

工作區會長這樣

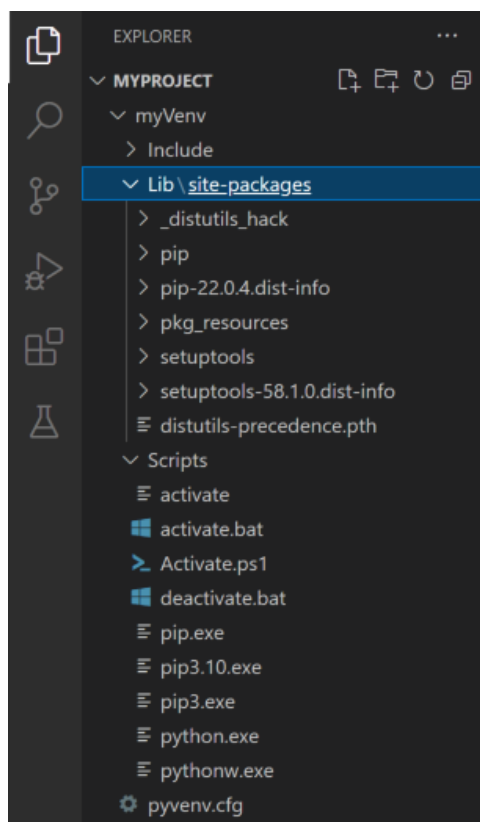**打開終端機 pip install pyvenv**

```
PS C:\Users\Harry\myProject> pip install pyvenv
Collecting pyvenv
  Downloading pyvenv-0.2.2-py3-none-any.whl (3.8 kB)
Collecting termcolor<2.0.0,>=1.1.0
  Downloading termcolor-1.1.0.tar.gz (3.9 kB)
  Preparing metadata (setup.py) ... done
Collecting clipboard<0.0.5,>=0.0.4
  Downloading clipboard-0.0.4.tar.gz (1.7 kB)
  Preparing metadata (setup.py) ... done
Collecting pyperclip>=1.3
  Downloading pyperclip-1.8.2.tar.gz (20 kB)
  Preparing metadata (setup.py) ... done
Using legacy 'setup.py install' for clipboard, since package 'wheel' is not installed.
Using legacy 'setup.py install' for termcolor, since package 'wheel' is not installed.
Using legacy 'setup.py install' for pyperclip, since package 'wheel' is not installed.
Installing collected packages: termcolor, pyperclip, clipboard, pyvenv
  Running setup.py install for termcolor ... done
  Running setup.py install for pyperclip ... done
  Running setup.py install for clipboard ... done
Successfully installed clipboard-0.0.4 pyperclip-1.8.2 pyvenv-0.2.2 termcolor-1.1.0
PS C:\Users\Harry\myProject>
```

```
PS C:\Users\Harry\myProject> pip3 list
Package    Version
---------- -------
clipboard  0.0.4
pip        22.0.4
pyperclip  1.8.2
pyvenv     0.2.2
setuptools 58.1.0
termcolor  1.1.0
PS C:\Users\Harry\myProject> python -m venv myVenv
```

工作區發生變化

myVenv > Lib > site-packages

之後會發現 接下來 install 的第三方庫都會跑到裡面(前提是要 **啟動虛擬環境**)

STEP 3 . 啟動虛擬環境

先確認當前路徑

成功進入的話 前面會有剛剛取的名字

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

(myVenv) C:\Users\Harry\myProject>.\myVenv\Scripts\activate.bat
```
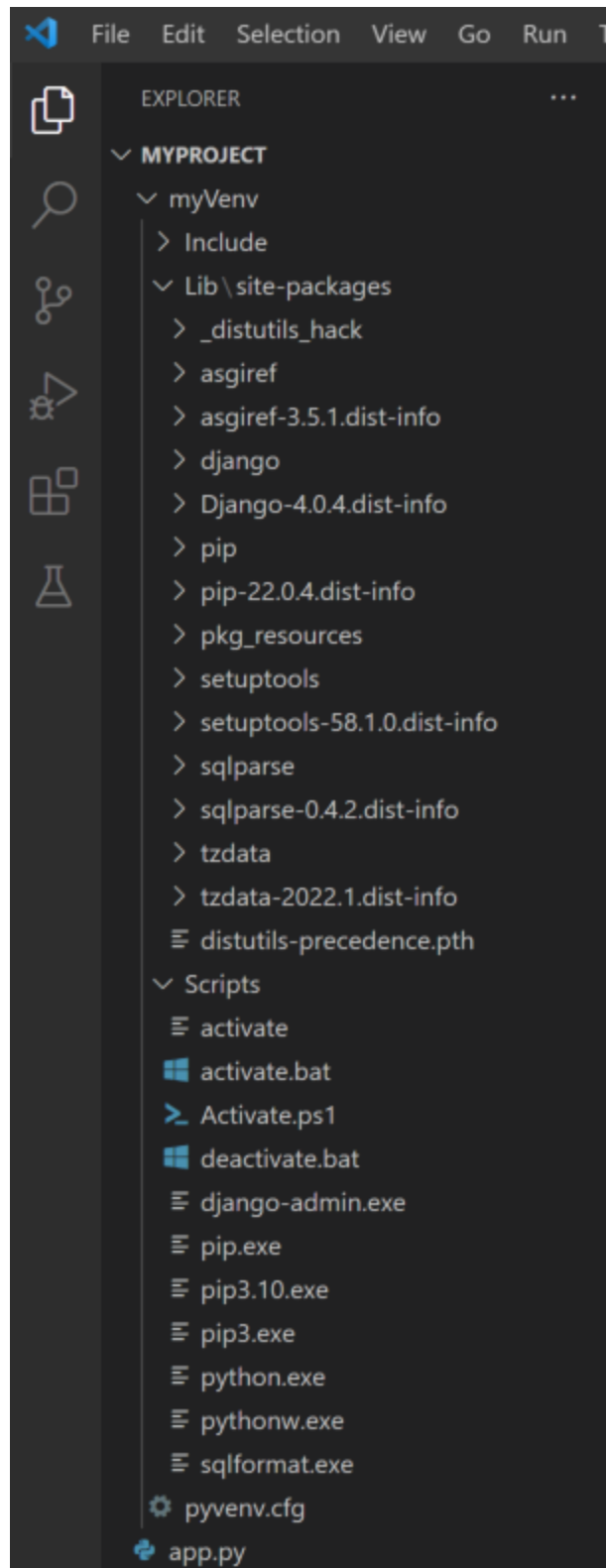
pip install django

```
(myVenv) C:\Users\Harry\myProject>pip install django
Collecting django
  Using cached Django-4.0.4-py3-none-any.whl (8.0 MB)
Collecting sqlparse>=0.2.2
  Using cached sqlparse-0.4.2-py3-none-any.whl (42 kB)
Collecting asgiref<4,>=3.4.1
  Using cached asgiref-3.5.1-py3-none-any.whl (22 kB)
Collecting tzdata
  Using cached tzdata-2022.1-py2.py3-none-any.whl (339 kB)
Installing collected packages: tzdata, sqlparse, asgiref, django
Successfully installed asgiref-3.5.1 django-4.0.4 sqlparse-0.4.2 tzdata-2022.1

(myVenv) C:\Users\Harry\myProject>
```
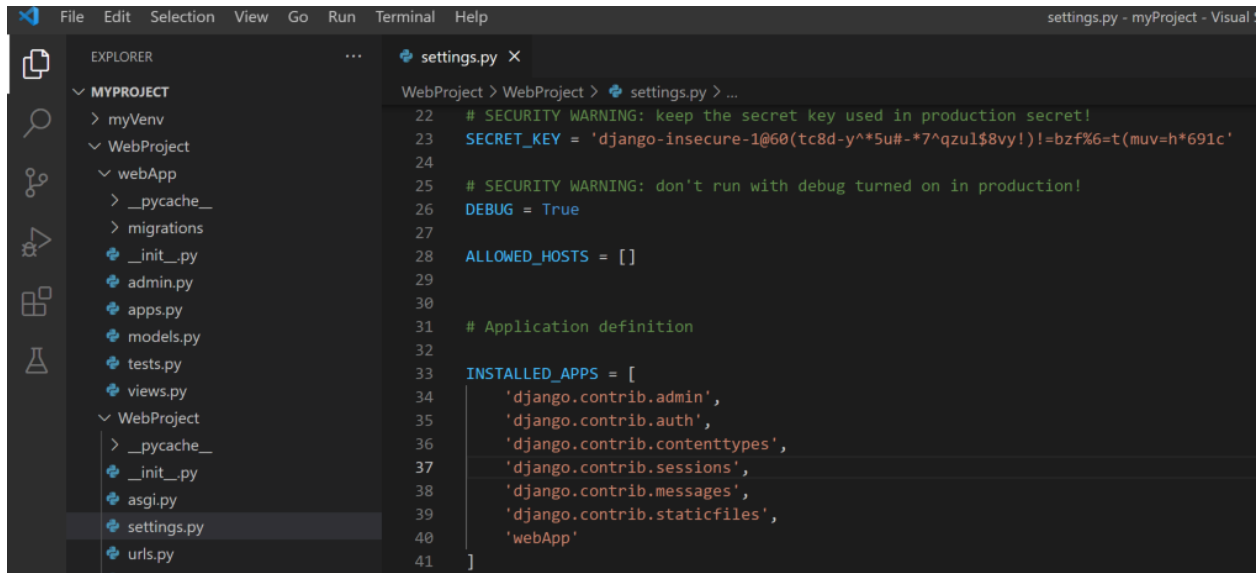
工作區

可以發現 myVenv > Lib > site-packages 裡面多了個 Django 第三方庫

Create Djangoo APP

```
django-admin startproject <自己取名> // 輸入完指令後
cd <自己取名>  // 再來
python manage.py startapp <自己取>  // 建立 app
```
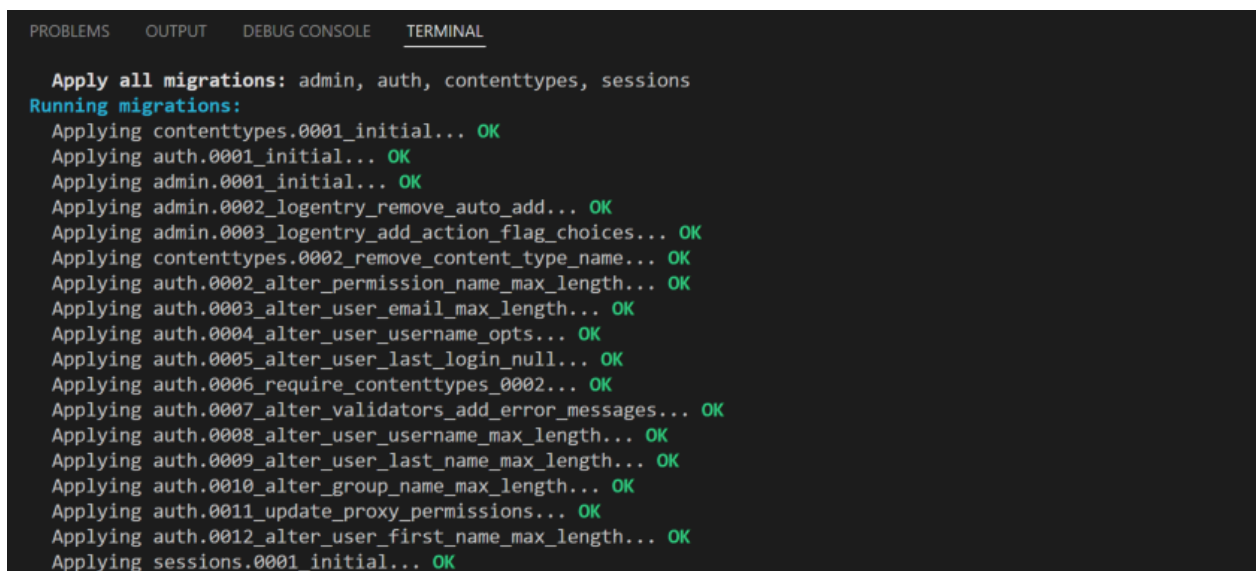
Step 4 . 再到 setting.py 添加 APP(剛剛取的 webApp)

python manage.py makemigrations

python manage.py migrate

python manage.py runserver

```
(myVenv) C:\Users\Harry\myProject\WebProject>python manage.p yrunserver
C:\Users\Harry\AppData\Local\Programs\Python\Python310\python.exe: can't open file 'C:\\Users\\

(myVenv) C:\Users\Harry\myProject\WebProject>python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).
May 04, 2022 - 23:01:07
Django version 4.0.4, using settings 'WebProject.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
```


django   View release notes for Django 4.0

The install worked successfully! Congratulations!

You are seeing this page because DEBUG=True is in your
settings file and you have not configured any URLs.

Django Documentation   Tutorial: A Polling App   Django Community
Topics, references, & how-to's   Get started with Django   Connect, get help, or contribute