安裝Python

曾喜仙 G06350028



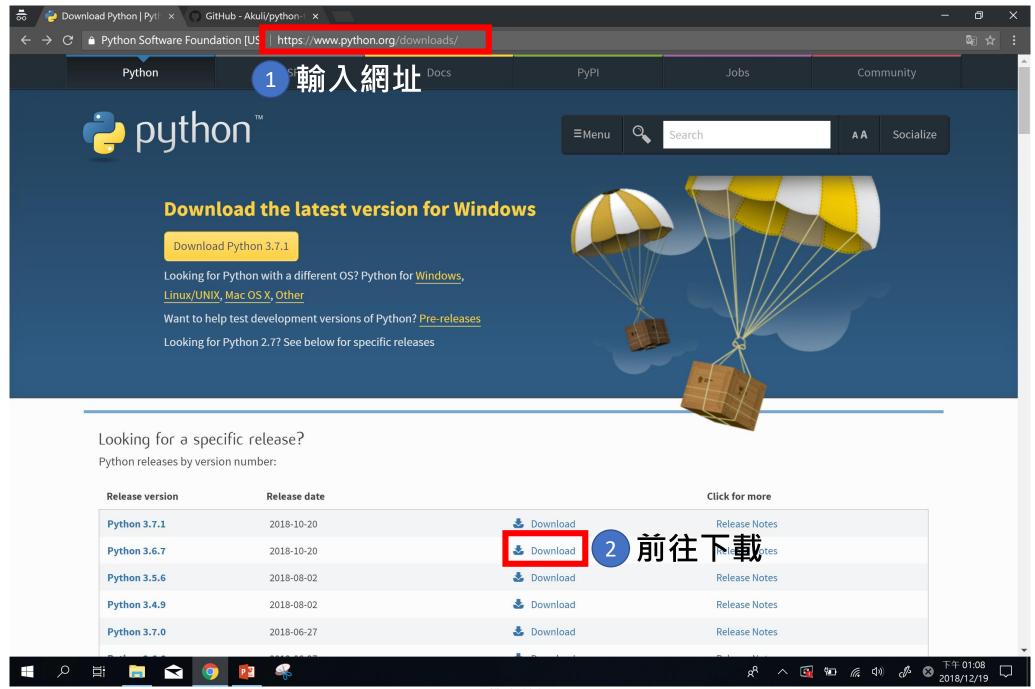
Agenda

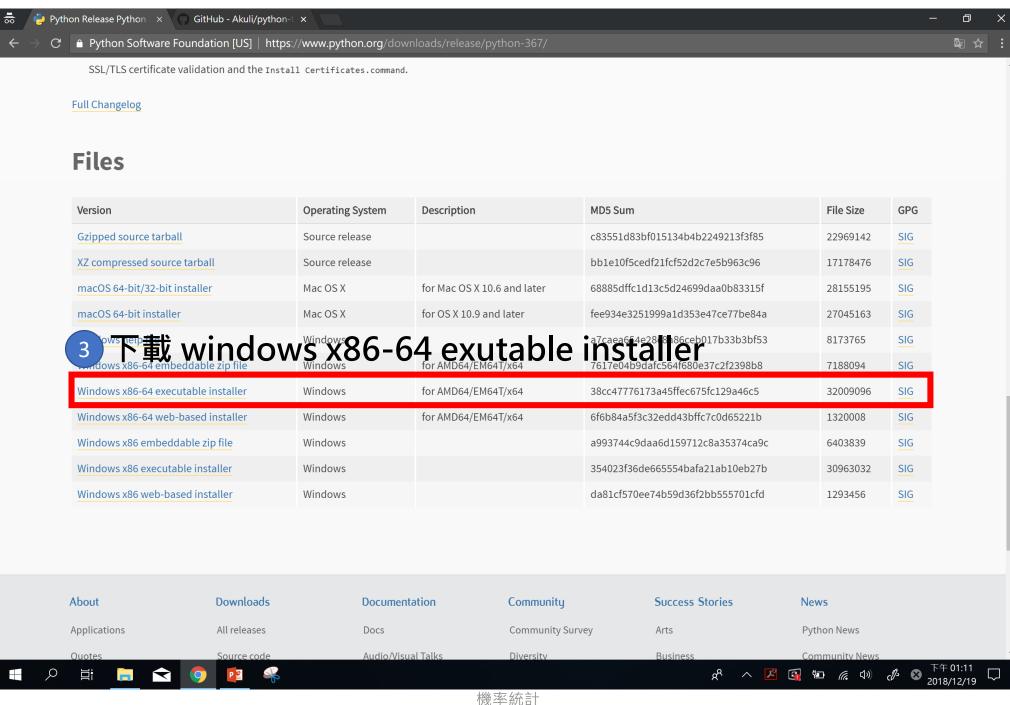
- 安裝 python
- 利用 pip 安裝 python 套件
- 安裝 jupyter 並且開始使用 python
- 上傳範例 ipynb 檔

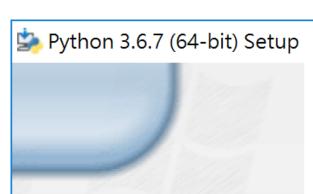
安裝 Python

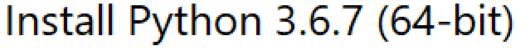
- 安裝 Python 3.6
 - https://www.python.org/downloads/
- 選擇 windows executable installer
- 開啟 windows command line (cmd) 以確認安裝成功

8率統計 3









Select Install Now to install Python with default settings, or choose Customize to enable or disable features.



Install Now

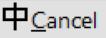
C:\Users\admin\AppData\Local\Programs\Python\Python36

Includes IDLE, pip and documentation Creates shortcuts and file associations

- 5 安裝
- → Customize installation Choose location and features

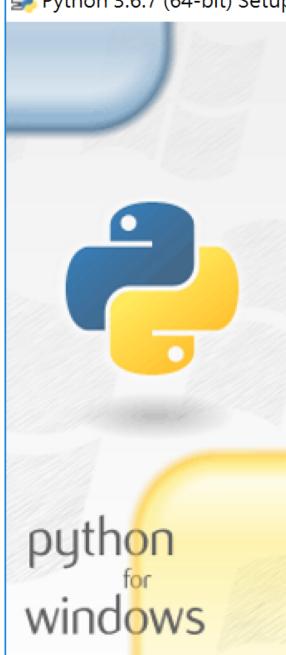
✓ Install launcher for all users (recommended)

☑ Add Python 3.6 to PATH 4 加入 Windows path 中Cancel



X





Setup was successful

Special thanks to Mark Hammond, without whose years of freely shared Windows expertise, Python for Windows would still be Python for DOS.

New to Python? Start with the <u>online tutorial</u> and documentation.

See what's new in this release.

Disable path length limit Changes your machine configuration to allow programs, including Python, to bypass the 260 character "MAX_PATH" limitation.

🙃 取消 Path 長度限制

<u>C</u>lose



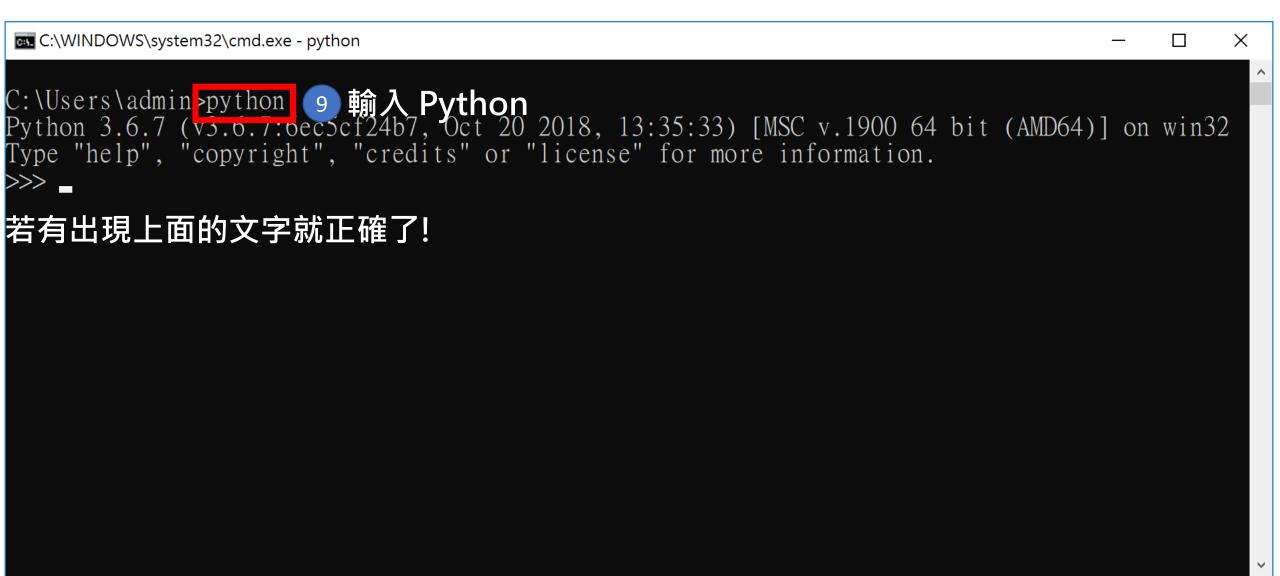








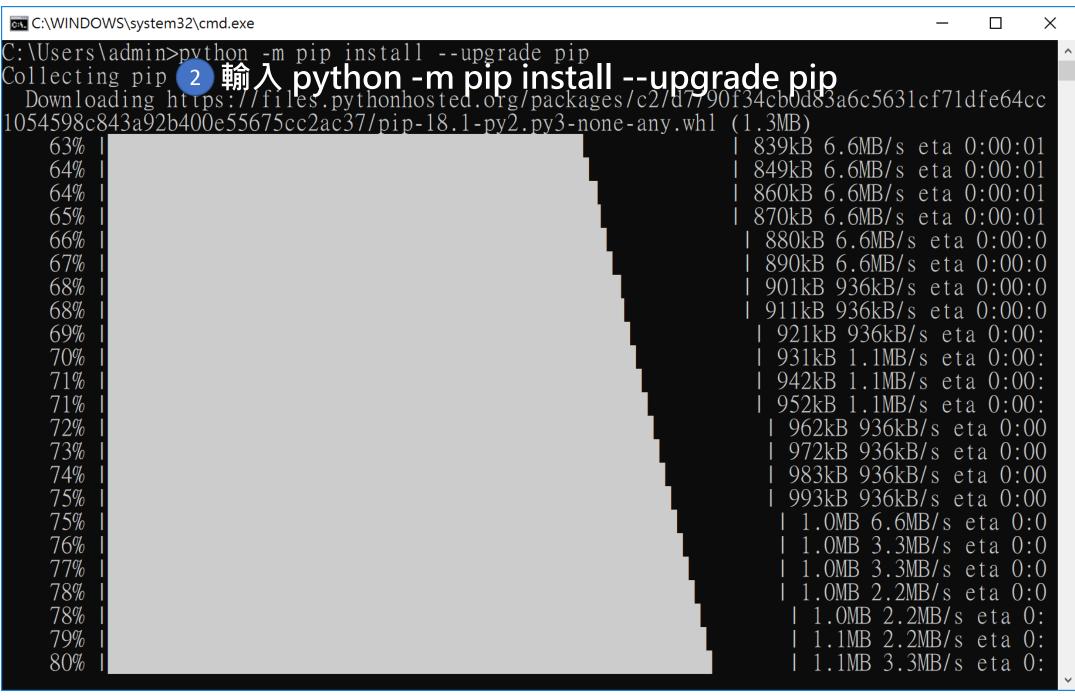


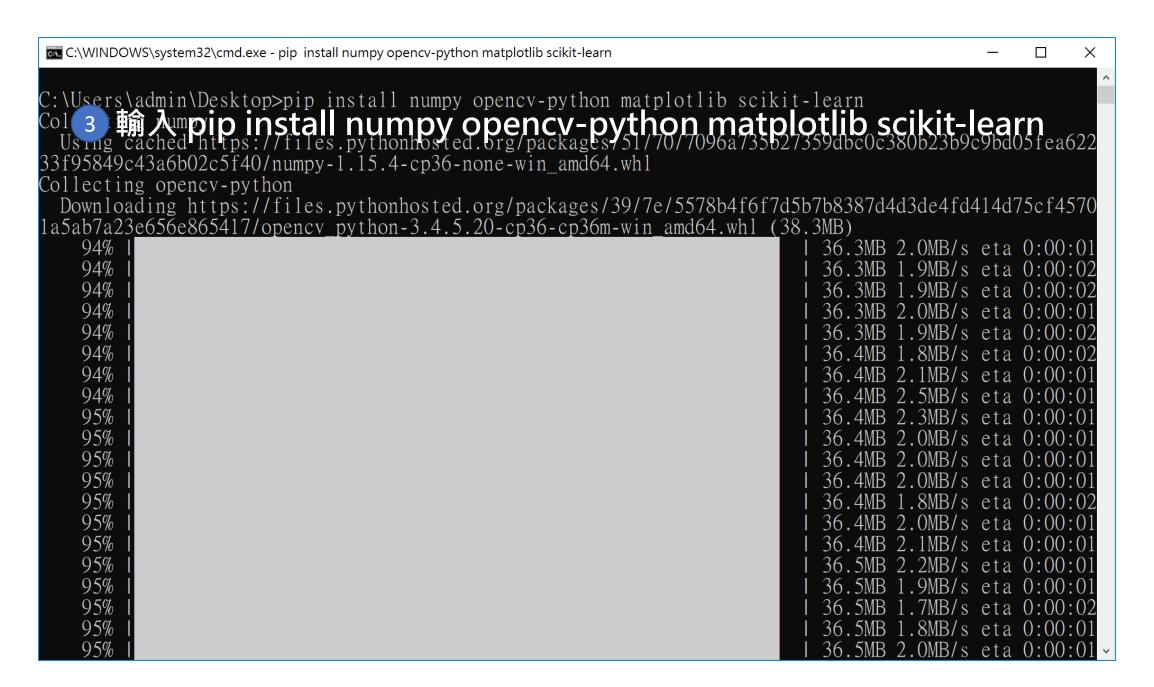


利用 pip 安裝 python 套件

- 關閉上一步的畫面,並再開一次 cmd
- •確認 pip 版本,並升級
- •利用 pip 安裝 套件
 - pip install <套件1> <套件2> ...
- 常用套件
 - numpy 矩陣運算
 - opency-python 影像處理
 - matplotlib 資料視覺化
 - scikit-learn 科學運算







安裝 jupyter 以及使用 python

- Jupyer 是一個讓我們在網頁上寫 Python 的工具
- 利用 pip 安裝 jupyter
 - pip install jupyter

```
C:\WINDOWS\system32\cmd.exe
                                                                                         X
C:\Users\admin>pip install jupyter 1 輸入 pip install jupyter
Collecting jupyter
 Downloading https://files.pythonhosted.org/packages/83/df/0f5dd132200728a86190397e1ea87
cd76244e42d39ec5e88efd25b2abd7e/jupyter-1.0.0-py2.py3-none-any.whl
Collecting jupyter-console (from jupyter)
 Downloading https://files.pythonhosted.org/packages/cb/ee/6374ae8c21b7d0847f9c3722dcdfa
c986b8e54fa9ad9ea66e1eb6320d2b8/jupyter_console-6.0.0-py2.py3-none-any.whl
Collecting ipywidgets (from jupyter)
 Downloading https://files.pythonhosted.org/packages/30/9a/a008c7b1183fac9e52066d80a379b
3c64eab535bd9d86cdc29a0b766fd82/ipywidgets-7.4.2-py2.py3-none-any.whl (111kB)
                                                                  I 81kB 1.3MB/s eta 0:00:
    73%
    82%
                                                                      92kB 1.5MB/s eta 0:
   91%
                                                                          102kB 936kB/s et
    100%
                                                                             112kB 729kB/s
Collecting qtconsole (from jupyter)
 Downloading https://files.pythonhosted.org/packages/e0/7a/8aefbc0ed078dec7951ac9a06dcd1
869243ecd7bcbce26fa47bf5e469a8f/qtconsole-4.4.3-py2.py3-none-any.whl (113kB)
    72%
                                                                  81kB 1.3MB/s eta 0:00:0
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                                                                     92kB 1.2MB/s eta 0:0
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                                                                         02kB 1.3MB/s eta
   99%
                                                                           112kB 1.6MB/s
    100%
                                                                             122kB 1.3MB/s
Collecting ipykernel (from jupyter)
 Downloading https://files.pythonhosted.org/packages/d8/b0/f0be5c5ab335196f5cce96e5b889a
```



14:32:03.125 NotebookApp] Writing notebook server cookie secret to C:\Users\admin\AppD ata\Roaming\jupyter\runtime\notebook_cookie_secret

14:32:03.719 NotebookApp] Serving notebooks from local directory: C:\Users\admin

14:32:03.719 NotebookApp] The Jupyter Notebook is running at:

14:32:03.719 NotebookApp] http://localhost:8888/?token=b1fdf255d36d53351dd22012287625d c0cb42e351d7b0fea

14:32:03.719 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).

[C 14:32:03.735 NotebookApp]

To access the notebook, open this file in a browser:

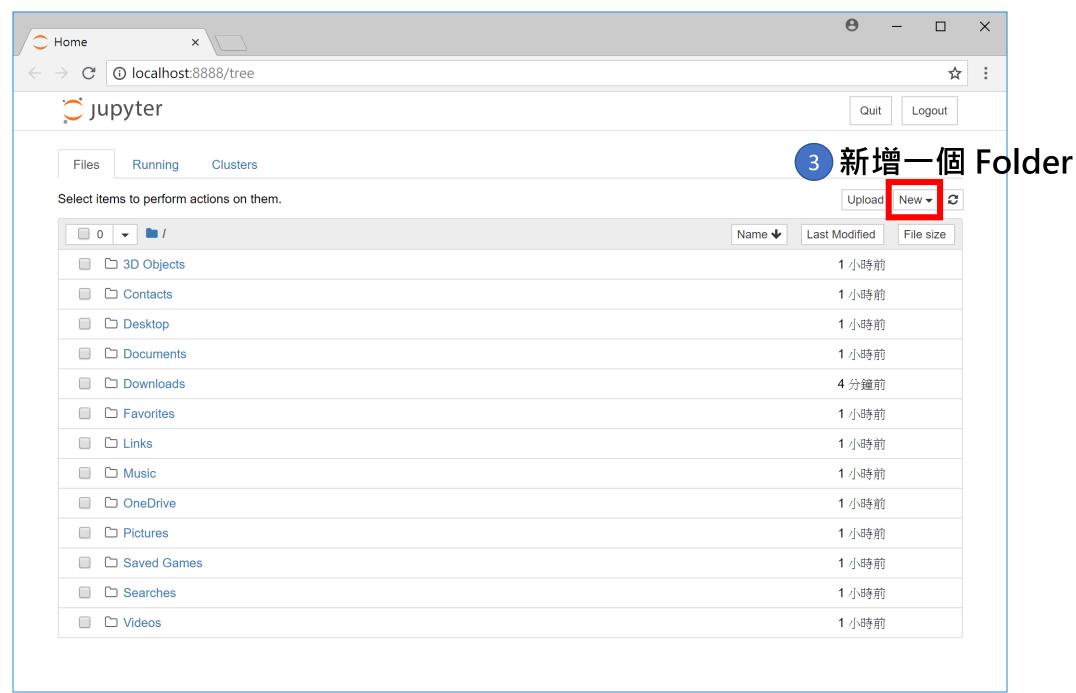
file:///C:/Users/admin/AppData/Roaming/jupyter/runtime/nbserver-8412-open.html

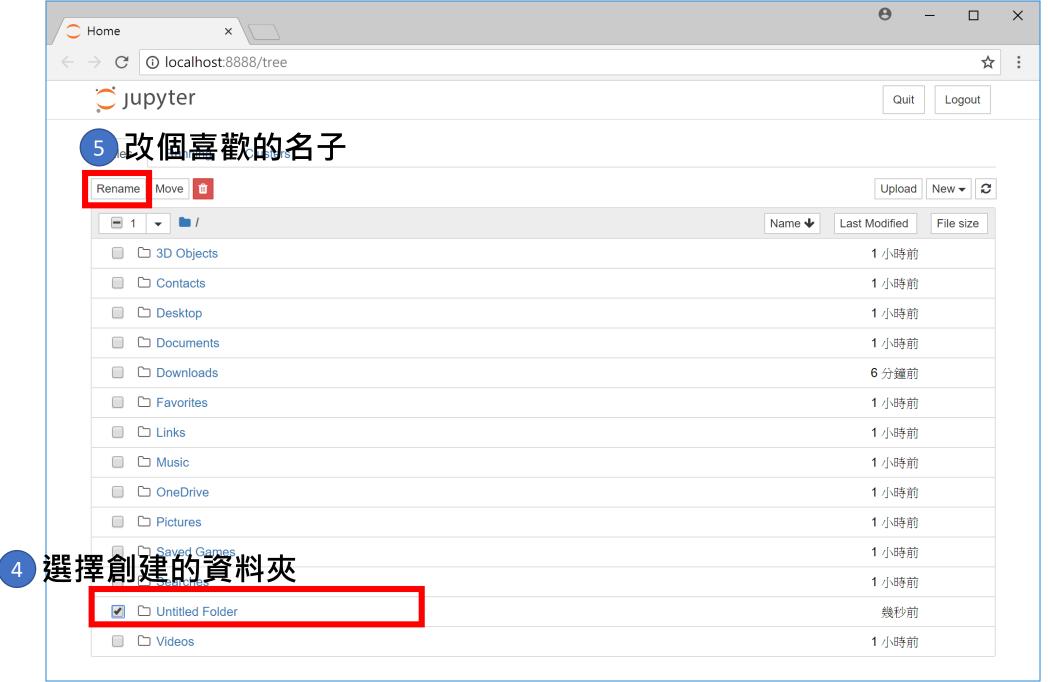
Or conv and naste one of these IIRIs.

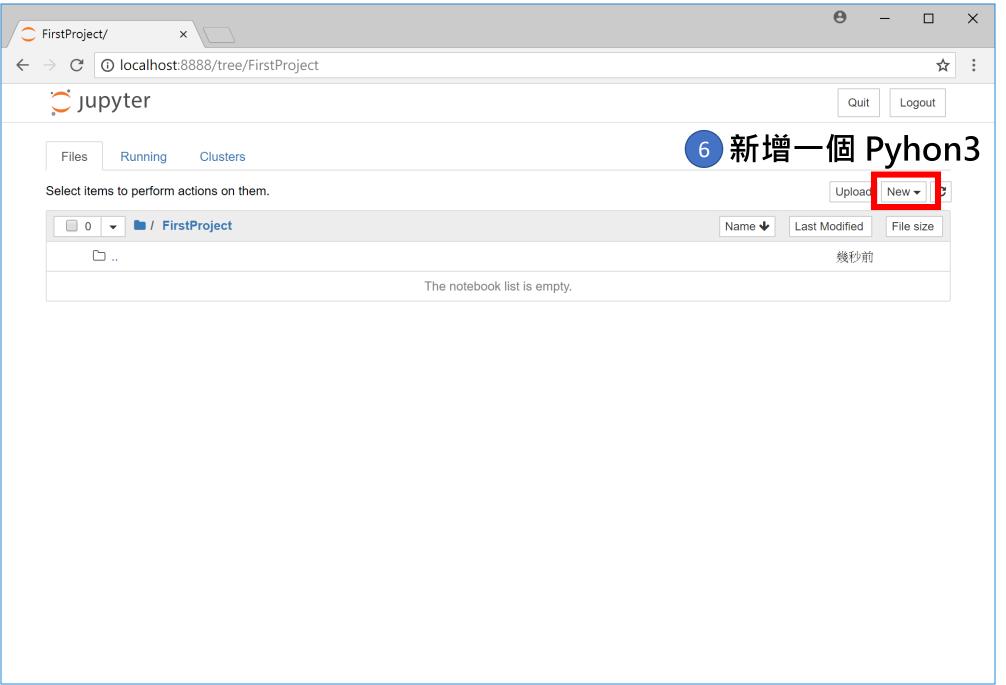
http://localhost:8888/?token=b1fdf255d36d53351dd22012287625dc0cb42e351d7b0fea

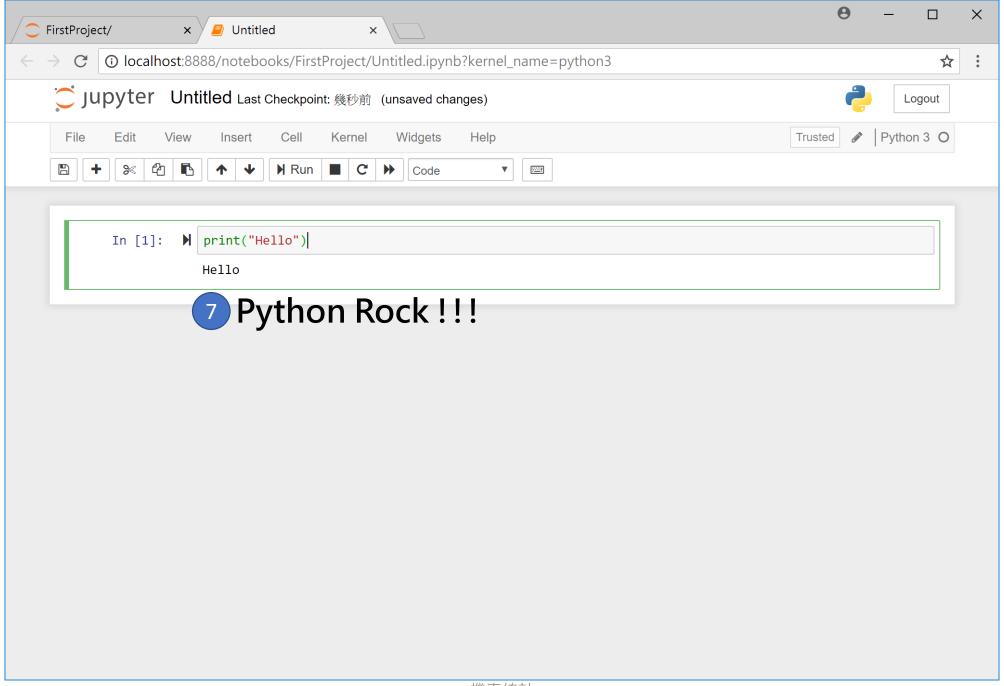
理論上,此時畫面應該會自動彈出 Jupyter 的網頁

若沒有,可以利用上面的網址進入



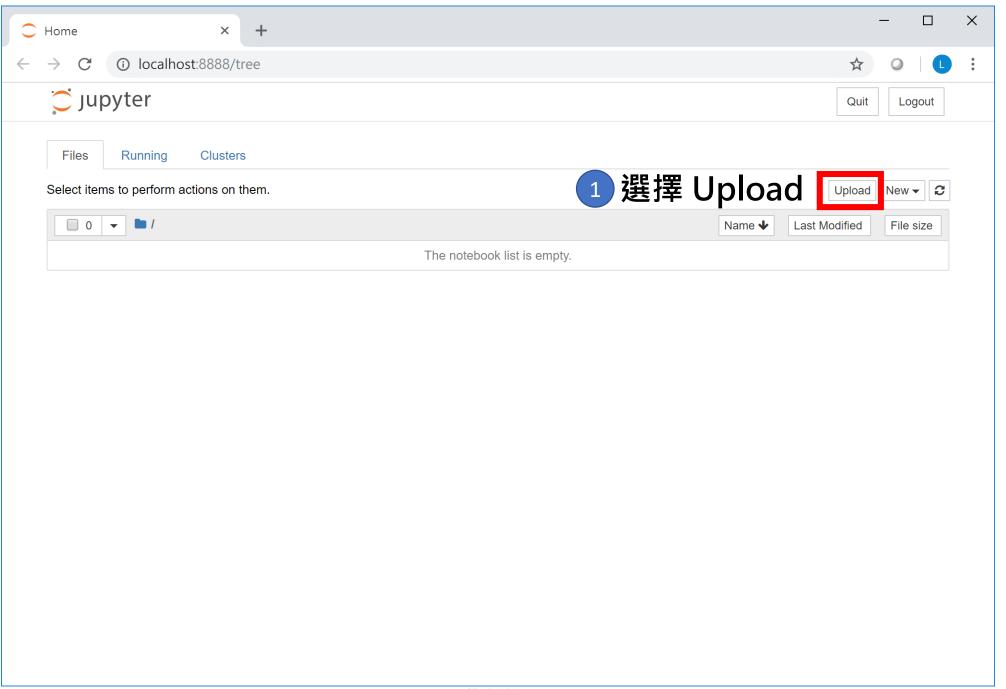


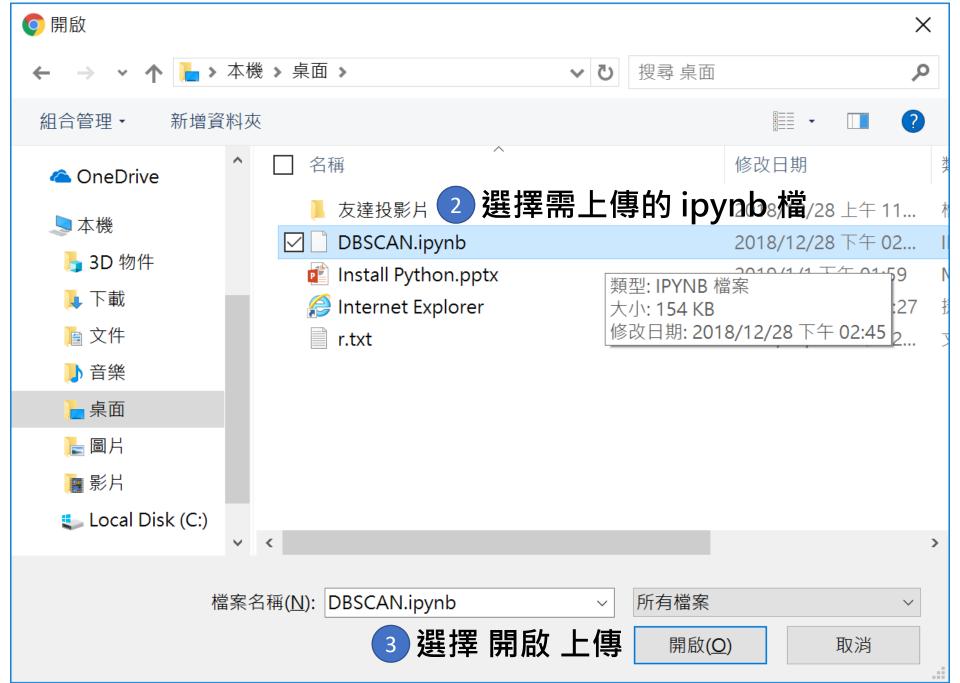




上傳範例 ipynb 檔

- ipynb 全名為 ipyhon notebook
- Jupyter 所用的附檔名





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