Python初學者入門

Python環境安裝說明

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Python環境安裝說明

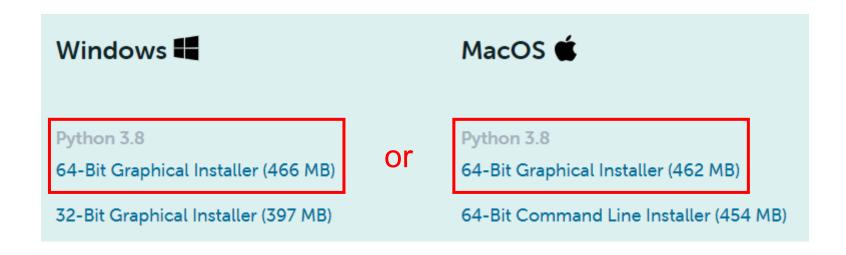
- 1. 安裝Anaconda
- 2. 安裝變數檢視小工具
- 3. 開始第一支程式
- 4. JupyterLab使用說明
- 5. 輸出成HTML

1. 安裝Anaconda

安裝Python環境(Anaconda套裝環境)

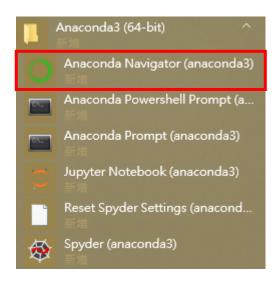
依據你的電腦系統下載安裝檔(Window/MacOS/Linux)
 https://www.anaconda.com/products/individual
 選擇Python3.8, 64-Bit Graphical Installer

• 一直點選Next>安裝即可(花費5~7分鐘)

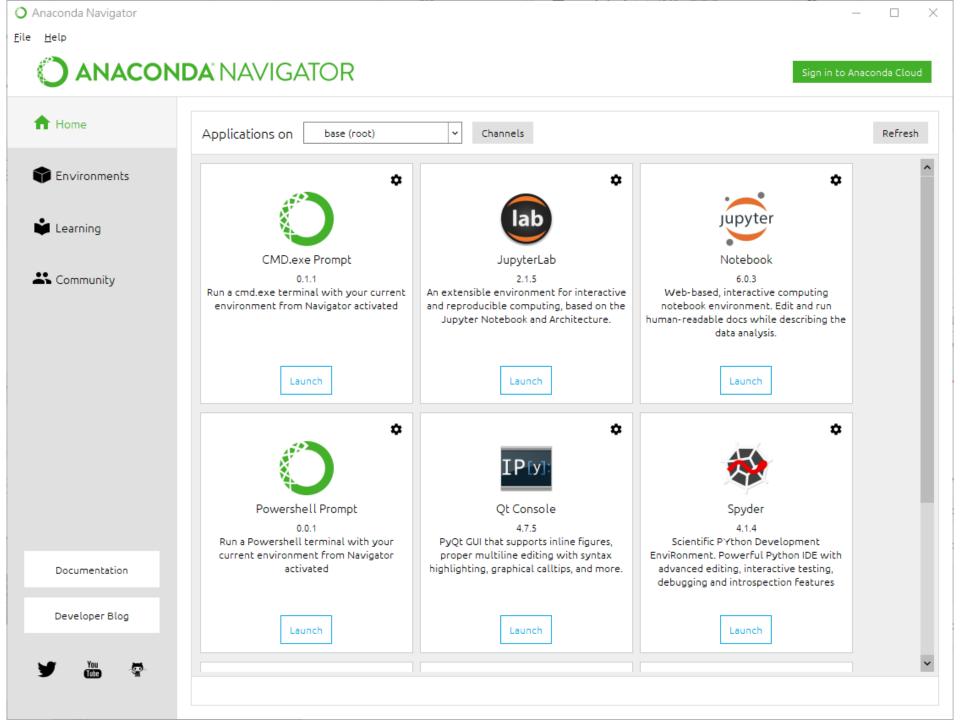


2. 安裝變數檢視小工具

打開Anaconda Navigator



• 開啟後畫面如下頁

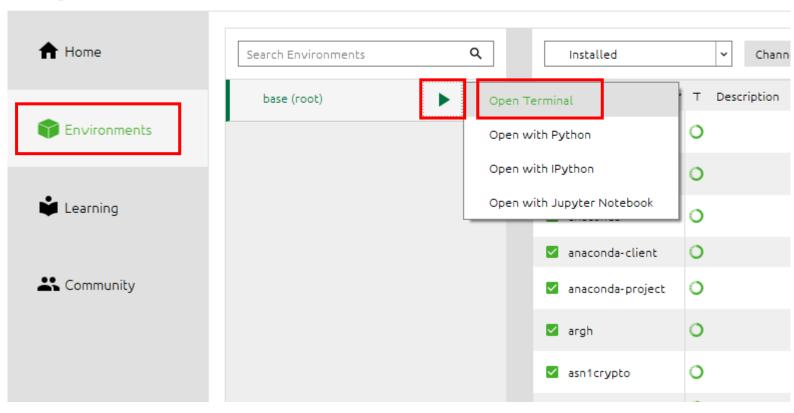


打開終端機

Anaconda Navigator

File Help





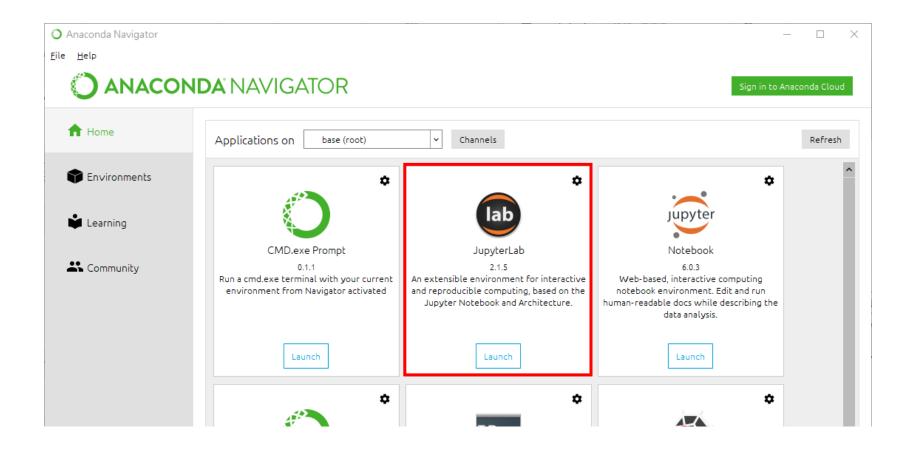
執行安裝指令 (見下一頁截圖說明)

- 輸入並執行第一行指令 conda install nodejs
- 輸入並執行第二行指令(下面為一行指令,會花點時間)
 jupyter labextension install
 @lckr/jupyterlab_variableinspector

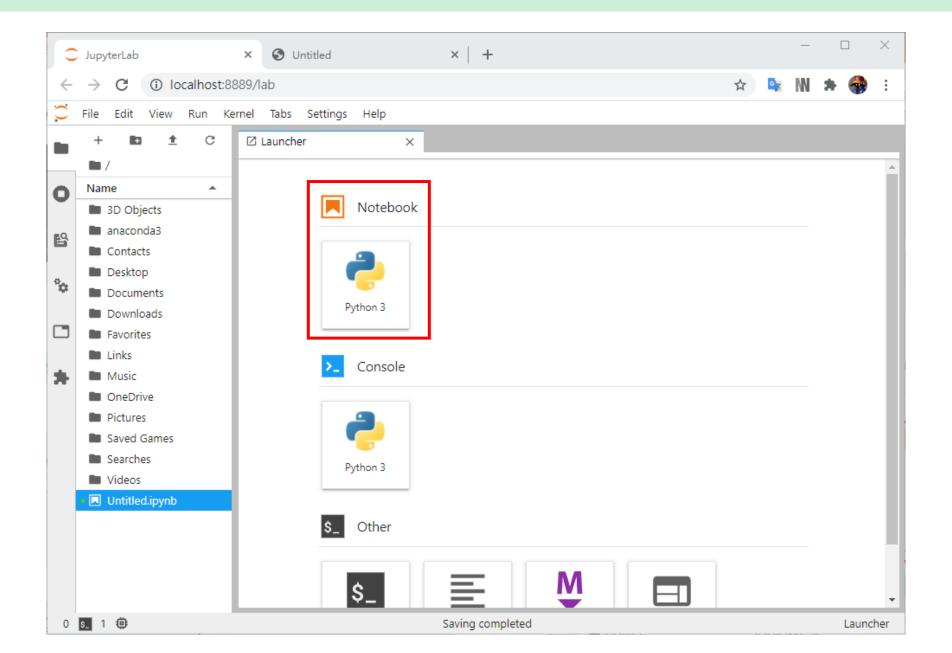
```
Anaconda Powershell Prompt (anaconda3)
(base) PS C:\Users\LISE> conda install
Collecting package metad<del>ata (current_repodata.</del>json): done
Solving environment: done
## Package Plan ##
 environment location: C:\Users\LISE\anaconda3
 added / updated specs:
   - nodejs
The following packages will be downloaded:
   package
                                             build
   conda-4.8.4
                                            py38_0
                                                           2.9 MB
                                                           11.0 MB
   nodejs-10.13.0
                                            Total:
                                                           13.8 MB
The following NEW packages will be INSTALLED:
 nodejs
                     pkgs/main/win-64::nodejs-10.13.0-0
The following packages will be UPDATED:
                                                4.8.3-py38 0 --> 4.8.4-py38 0
 conda
Proceed ([y]/n)? y
Downloading and Extracting Packages
nodejs-10.13.0
                       11.0 MB
conda-4.8.4
                      2.9 MB
<u>Prepari</u>ng transaction: done
Verifying transaction: done
Executing transaction: done
(base) PŠ C:\Users\LISE> jupyter labextension install @lckr/jupyterlab_variableinspector
Building jupyterlab assets (build:prod:minimize)
(base) PS C:\Users\LISE>
```

3. 開始第一支程式

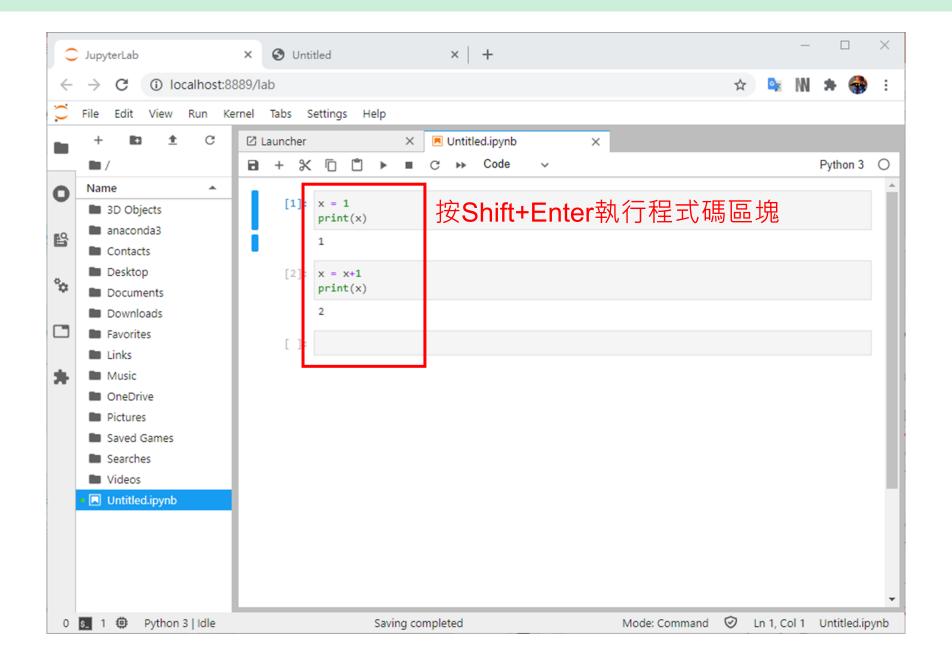
開啟JupyterLab



新增一個Notebook



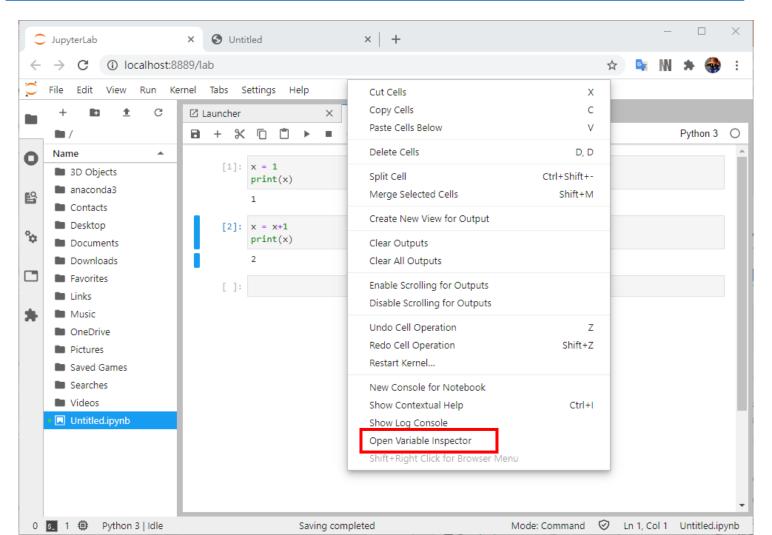
打些指令吧



看一看變數

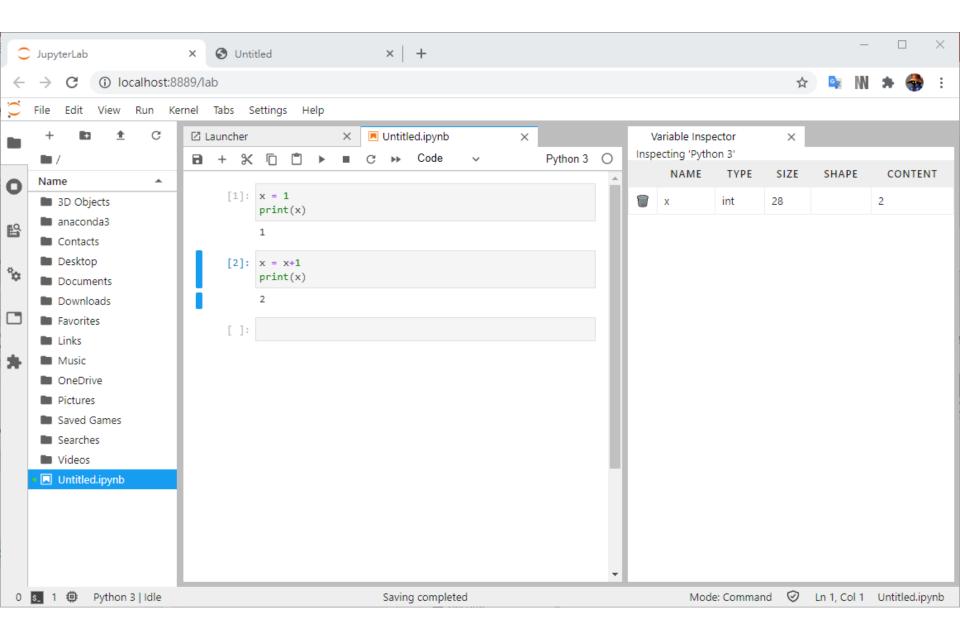
• 依照下面說明打開Variable Inspactor

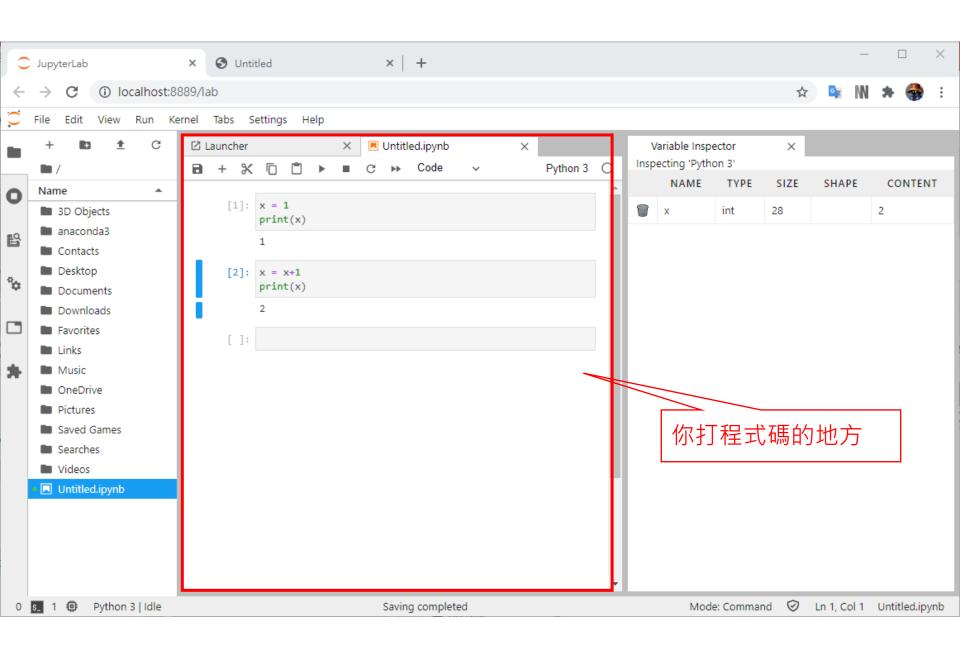
https://github.com/lckr/jupyterlab-variableInspector/blob/master/early_demo.gif

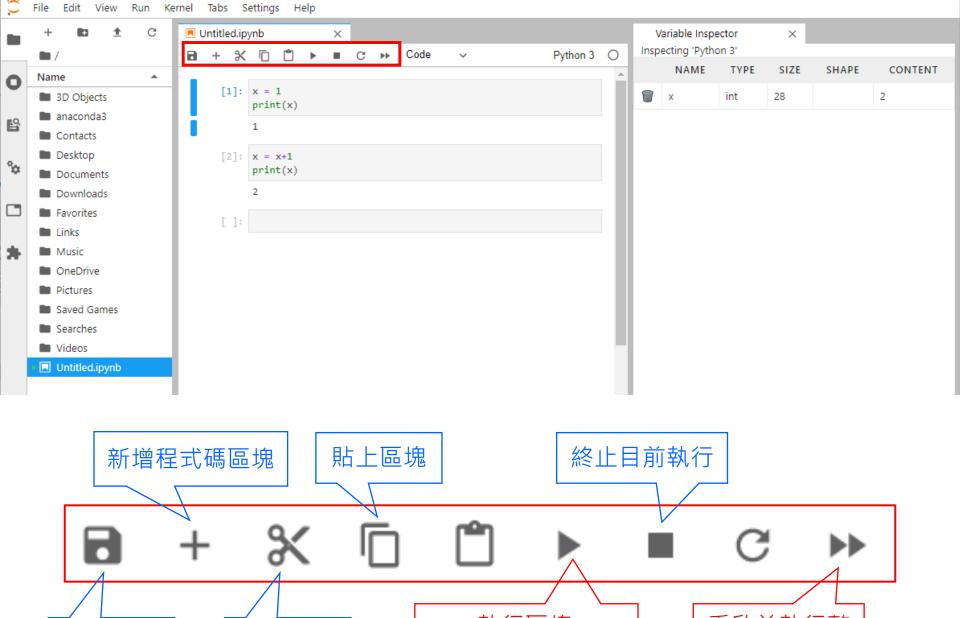


4. JupyterLab使用說明

準備好你的執行環境(如下圖)

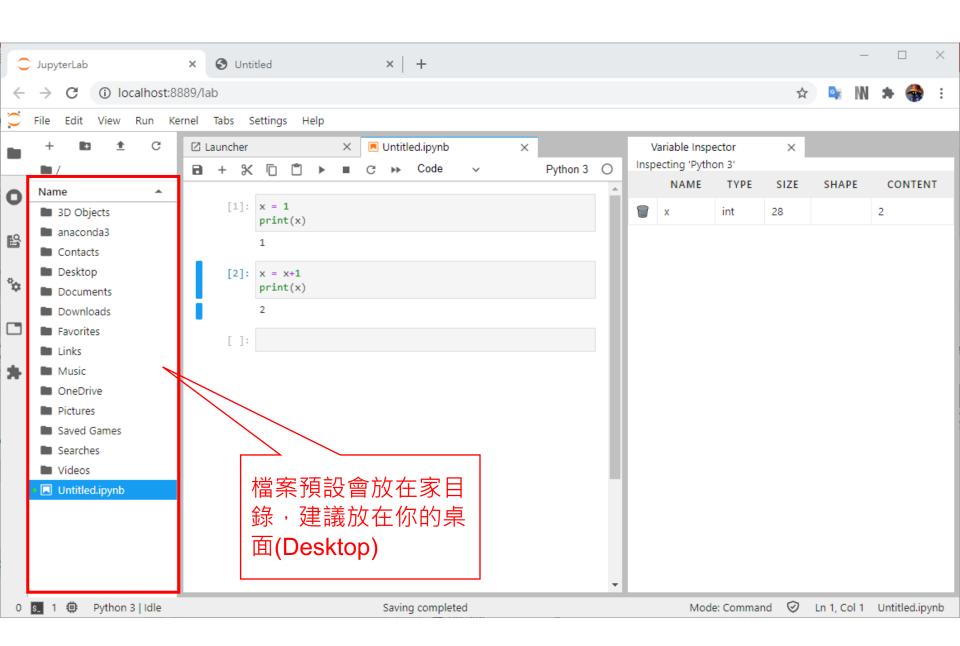


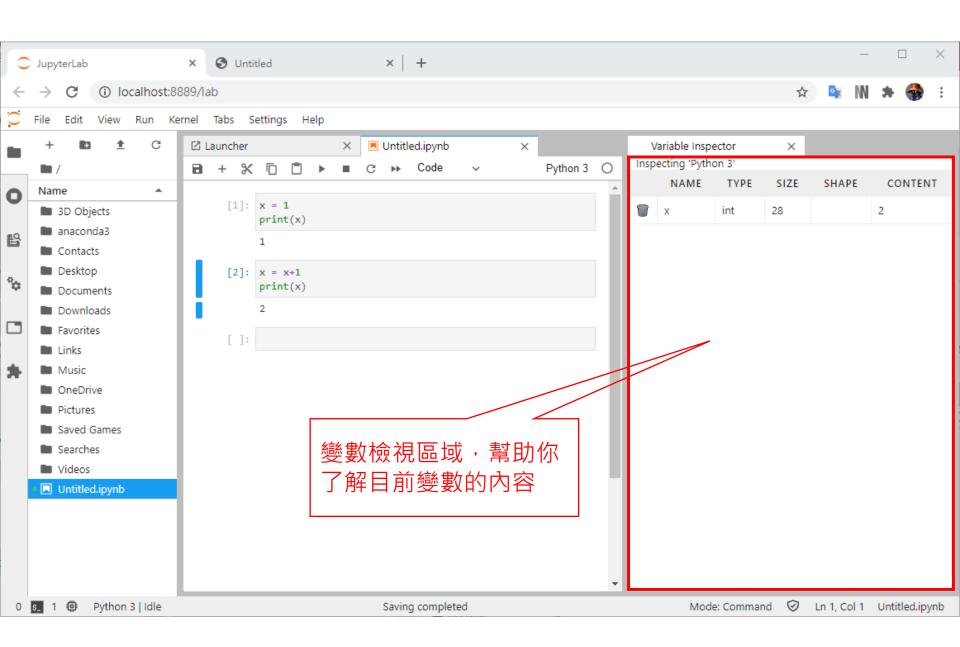




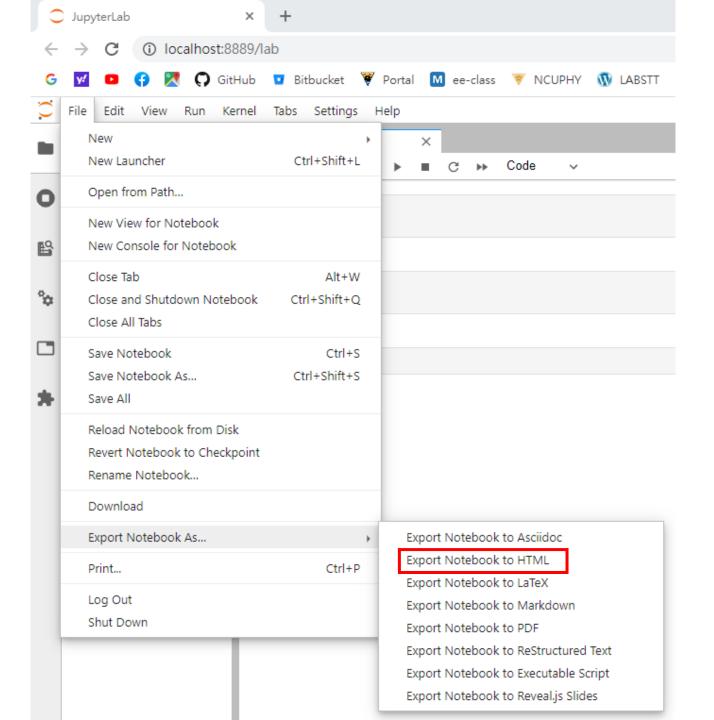
儲存檔案
剪下區塊

執行區塊 (或者按Shift+Enter) 重啟並執行整 份文件





5. 輸出成HTML



開啟後html檔後如下

注意事項

- 1. 請妥善保管好.ipynb原始碼檔與.html輸出檔
- 程式碼作業繳交請上傳輸出後的html檔 上傳前先開啟確認內容是否正確
- 3. 格式不對導致助教無法讀取,該次作業將沒有分數