1. Install Python.
    a. Home Page: https://www.python.org/downloads/
    b. Windows Version: https://www.python.org/ftp/python/3.10.4/python-3.10.4-amd64.exe
    c. How to Install Python: For Windows.
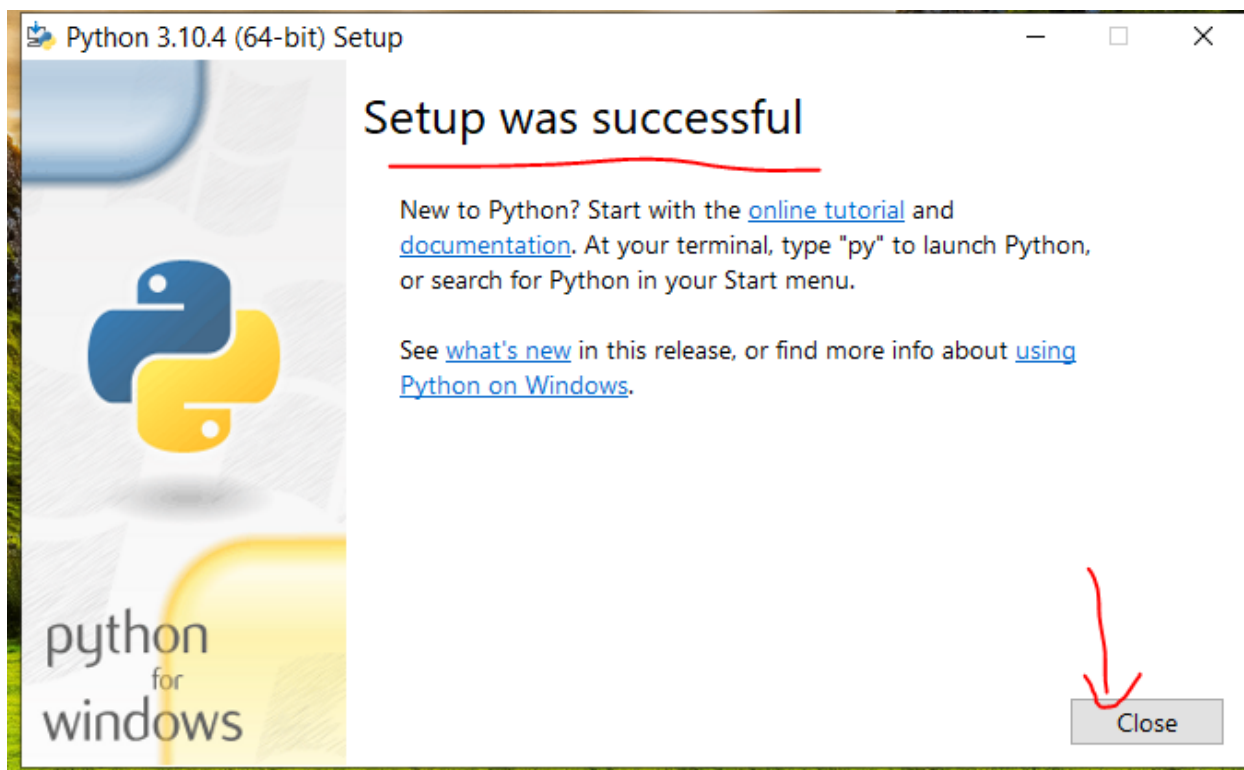   i. 双击下载后的安装包（exe 文件）,如下图 1
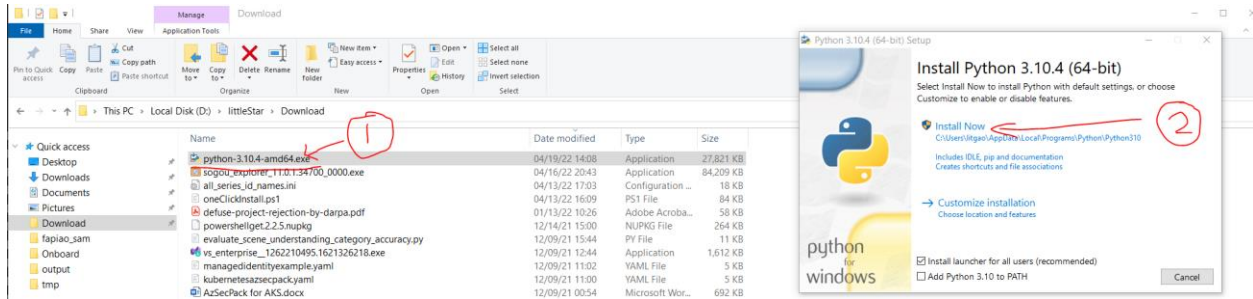
        ii. 弹出上图右侧窗口，点击 2 所指的地方
        iii. 弹出窗口点击 Yes 表示确认，然后进度条如下所示，等待安装完成
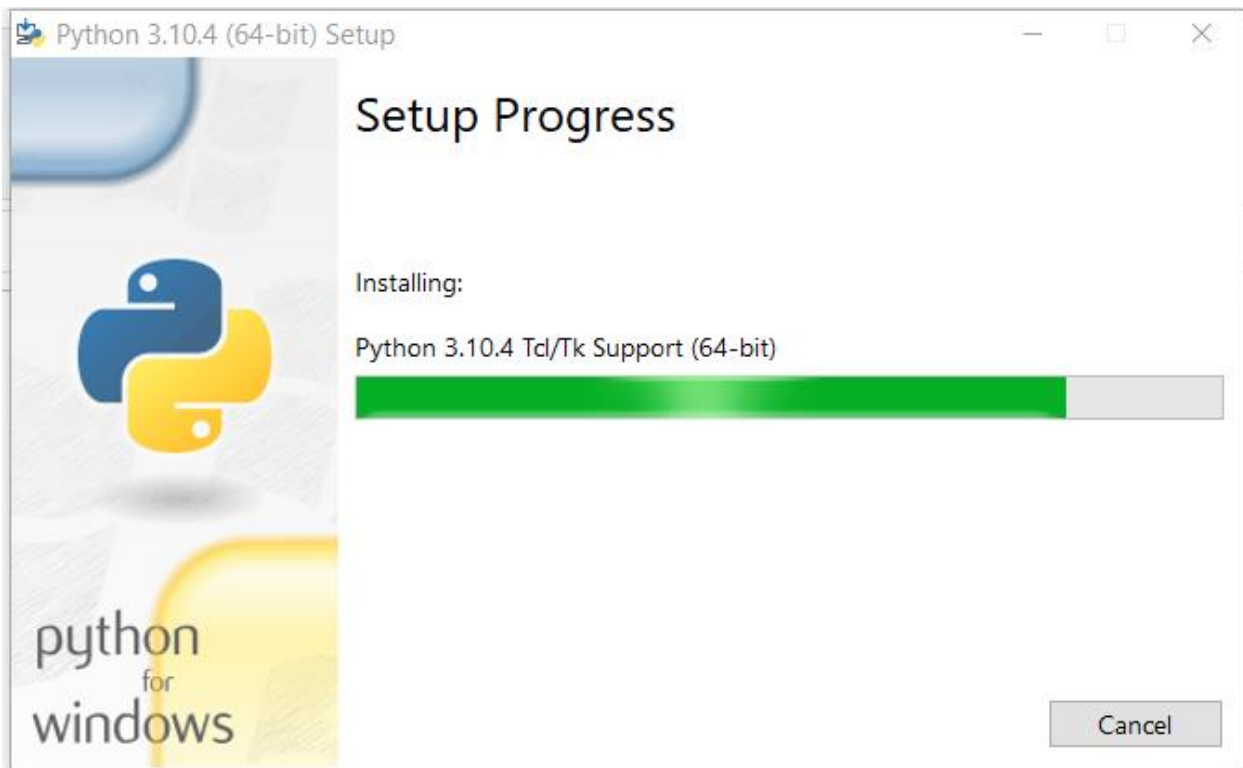
        iv. 安装完成，点击 close
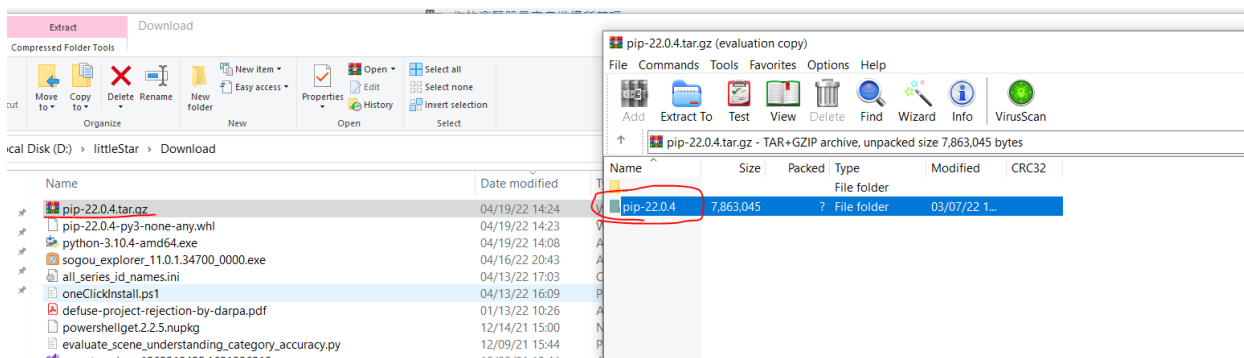
     v. Python 安装完毕

2. 安装运行脚本所使用的 python 包

    a. 安装 pip

       i. 下载安装包：地址为
https://files.pythonhosted.org/packages/33/c9/e2164122d365d8f823213a5397
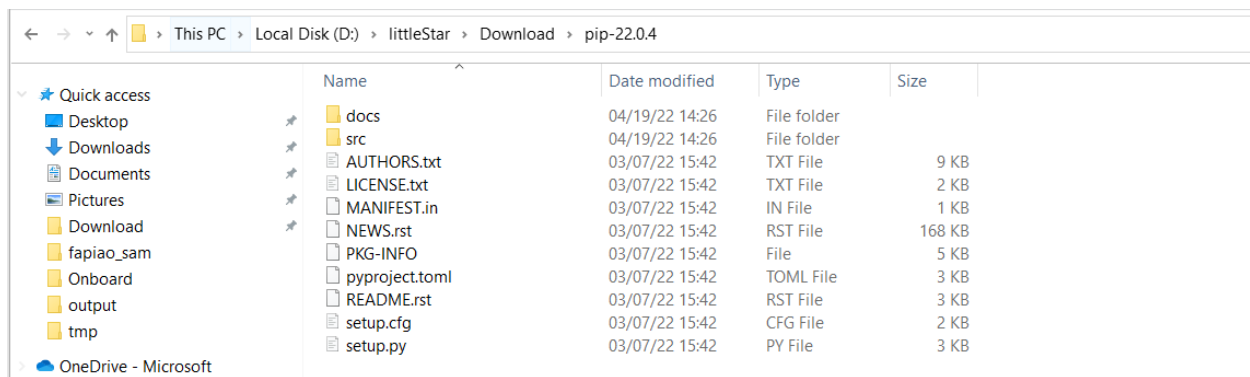0fa3005eb16218edcfc56ca24cb6deba2b/pip-22.0.4.tar.gz，官网为：
https://pypi.org/project/pip/#files

      ii. 下载的包解压到本地（建议下载到 C 盘的 Download 文件夹）

      iii. 找到解压后的目录

      iv. 进入解压后目录：

File path: This PC › Local Disk (D:) › littleStar › Download › pip-22.0.4

Name	Date modified	Type	Size
docs	04/19/22 14:26	File folder	
src	04/19/22 14:26	File folder	
AUTHORS.txt	03/07/22 15:42	TXT File	9 KB
LICENSE.txt	03/07/22 15:42	TXT File	2 KB
MANIFEST.in	03/07/22 15:42	IN File	1 KB
NEWS.rst	03/07/22 15:42	RST File	168 KB
PKG-INFO	03/07/22 15:42	File	5 KB
pyproject.toml	03/07/22 15:42	TOML File	3 KB
README.rst	03/07/22 15:42	RST File	3 KB
setup.cfg	03/07/22 15:42	CFG File	2 KB
setup.py	03/07/22 15:42	PY File	3 KB

v. 打开 powershell，同时按 windows 图标（ctrl， alt 之间夹的那个图标，）+ X
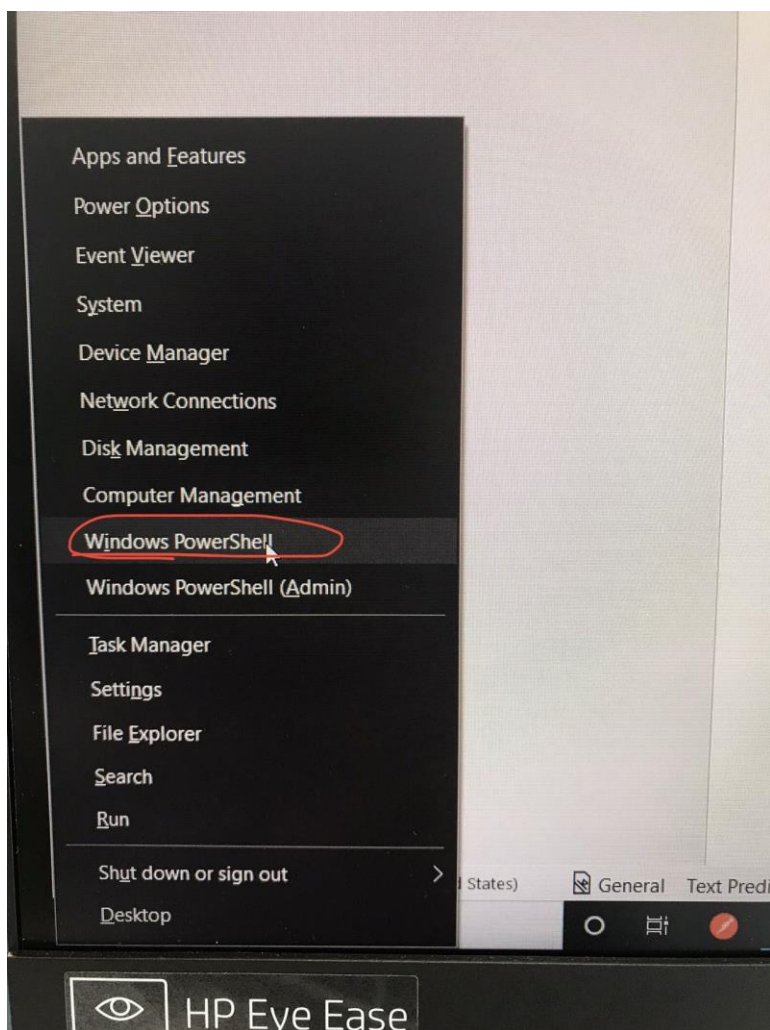
vi. 执行 如下命令：cd .\Downloads

vii. 再执行如下命令： cd .\pip-22.0.4\ 从而进入到刚才解压的 pip-22.0.4 文件夹

viii. 执行如下命令：
..\..\AppData\Local\Programs\Python\Python310\python.exe .\setup.py install
(首次安装 python 的话，可以执行如下命令： python.exe .\setup.py install)

输出如下，表示安装成功：

ix. 到此 pip 安装完毕

x. 回到 download（下载）文件夹: cd ../

b. 安装 package

i. 在 download 文件夹下创建 Onboard 文件夹

ii. 进入到 Onboard 文件夹，并创建 script 文件夹，将 py 和 txt 文件夹放到 script 文件夹下
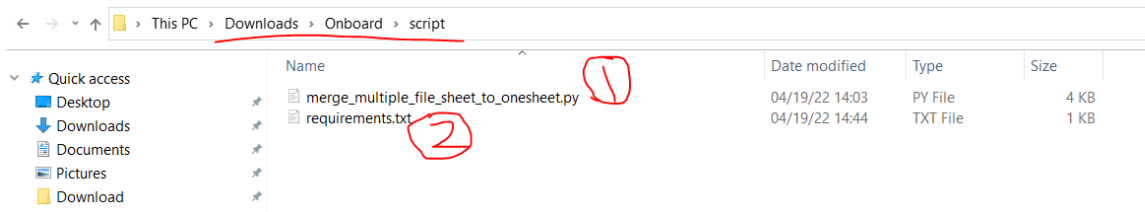
iii. 进入到 script 文件夹下：cd .\Onboard\script\

iv. 根据 requirements.txt 文件里面的内容逐行执行命令

a) ..\..\..\AppData\Local\Programs\Python\Python310\python.exe -m pip install pandas

```
PS C:\Users\litgao\Downloads\Onboard\script> ..\..\..\AppData\Local\Programs\Python\Python310\python.exe -m pip install pandas
Collecting pandas
  Using cached pandas-1.4.2-cp310-cp310-win_amd64.whl (10.6 MB)
Collecting python-dateutil>=2.8.1
  Using cached python_dateutil-2.8.2-py2.py3-none-any.whl (247 kB)
Collecting numpy>=1.21.0
  Downloading numpy-1.22.3-cp310-cp310-win_amd64.whl (14.7 MB)
     ---------------------------------------- 14.7/14.7 MB 11.4 MB/s eta 0:00:00
Collecting pytz>=2020.1
  Downloading pytz-2022.1-py2.py3-none-any.whl (503 kB)
     ---------------------------------------- 503.5/503.5 KB 10.5 MB/s eta 0:00:00
Collecting six>=1.5
  Using cached six-1.16.0-py2.py3-none-any.whl (11 kB)
Installing collected packages: pytz, six, numpy, python-dateutil, pandas
  WARNING: The script f2py.exe is installed in 'C:\Users\litgao\AppData\Local\Programs\Python\Python310\Scripts' which is not on PATH.
  Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
Successfully installed numpy-1.22.3 pandas-1.4.2 python-dateutil-2.8.2 pytz-2022.1 six-1.16.0
PS C:\Users\litgao\Downloads\Onboard\script>
```

b) ..\..\..\AppData\Local\Programs\Python\Python310\python.exe -m pip install openpyxl

```
PS C:\Users\litgao\Downloads\Onboard\script> ..\..\..\AppData\Local\Programs\Python\Python310\python.exe -m pip install openpyxl
Collecting openpyxl
  Using cached openpyxl-3.0.9-py2.py3-none-any.whl (242 kB)
Collecting et-xmlfile
  Using cached et_xmlfile-1.1.0-py3-none-any.whl (4.7 kB)
Installing collected packages: et-xmlfile, openpyxl
Successfully installed et-xmlfile-1.1.0 openpyxl-3.0.9
PS C:\Users\litgao\Downloads\Onboard\script>
```

3. 以上步骤只需执行一次:
4. 开始产出需要数据
   a. 将所有的 xlsx 文件都放在 Onboard 文件夹下
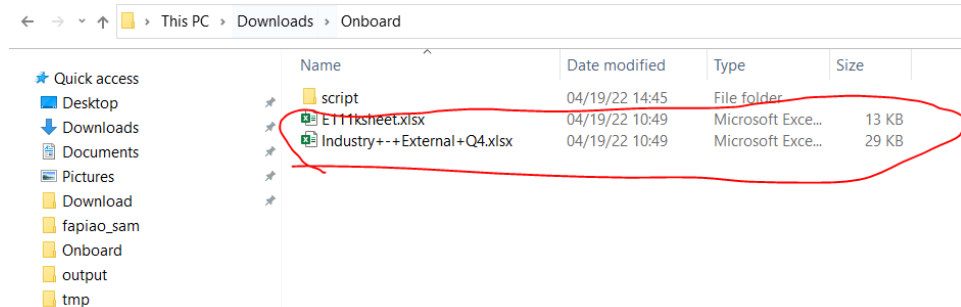
   b. 跟上述方式一样，打开 windows powershell，并进入到 script 文件夹：
      cd .\Onboard\script\

   c. 执行如下命令即可:
      ..\..\..\AppData\Local\Programs\Python\Python310\python.exe .\merge_multiple_file_sheet_to_onesheet.py
      ..\..\..\AppData\Local\Programs\Python\Python310\python.exe .\merge_multiple_file_sheet_to_onesheet.py "Suzhou"
      ..\..\..\AppData\Local\Programs\Python\Python310\python.exe .\merge_multiple_file_sheet_to_onesheet.py "Beijing"
      ..\..\..\AppData\Local\Programs\Python\Python310\python.exe .\merge_multiple_file_sheet_to_onesheet.py "Shanghai"

d. 输出数据存放目录 Onboard 下的 output 文件夹：

e. 具体根据地域打开所关心的文件即可

f. 结果如下：