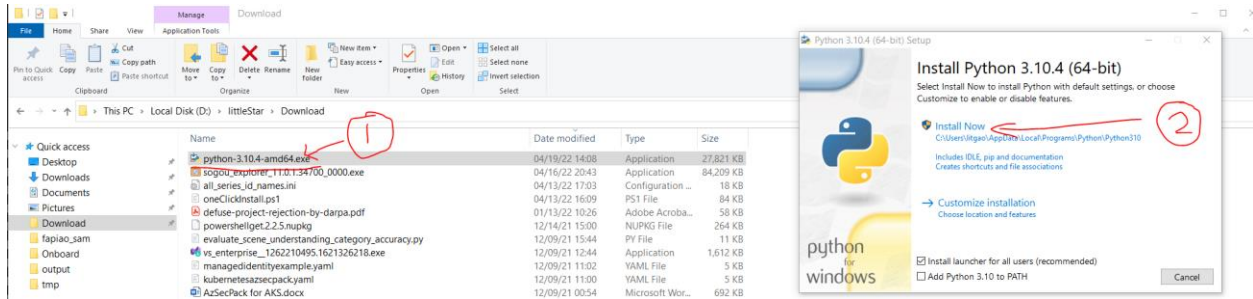


## 1. Install Python.

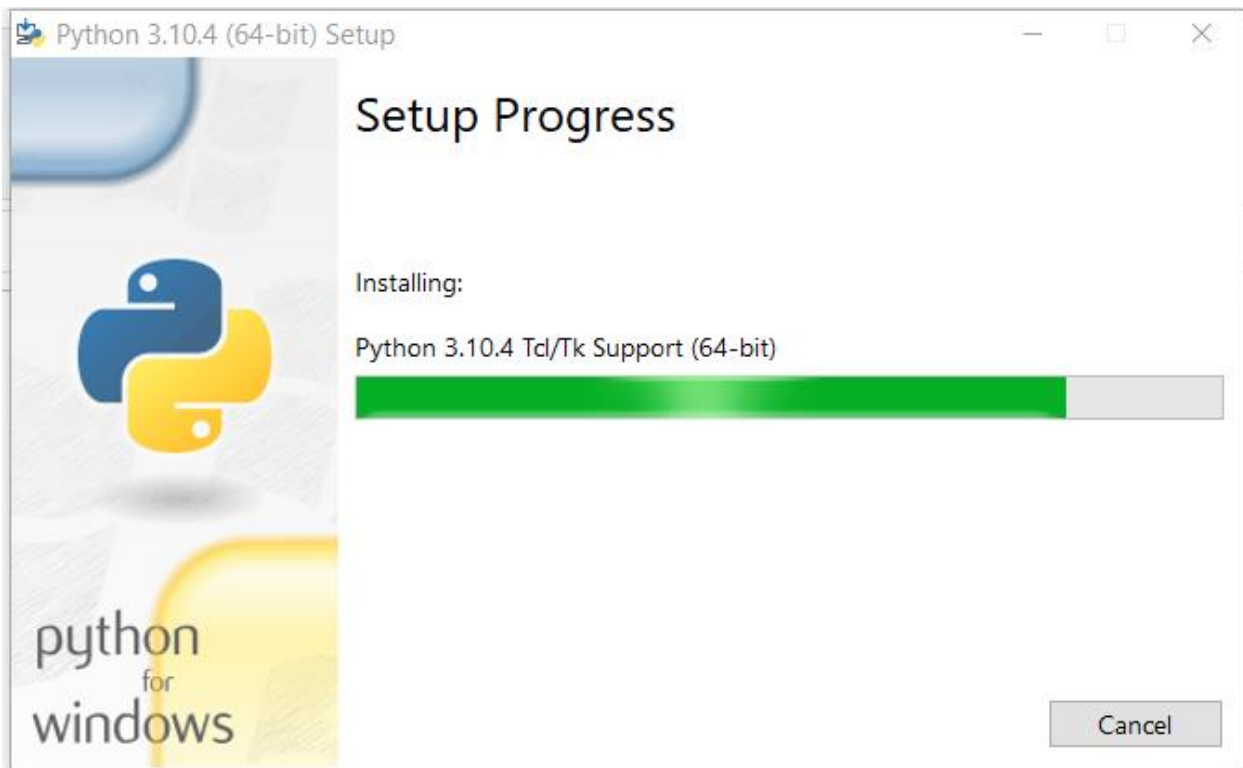
- Home Page: <https://www.python.org/downloads/>
- Windows Version: <https://www.python.org/ftp/python/3.10.4/python-3.10.4-amd64.exe>

### c. How to Install Python: For Windows.

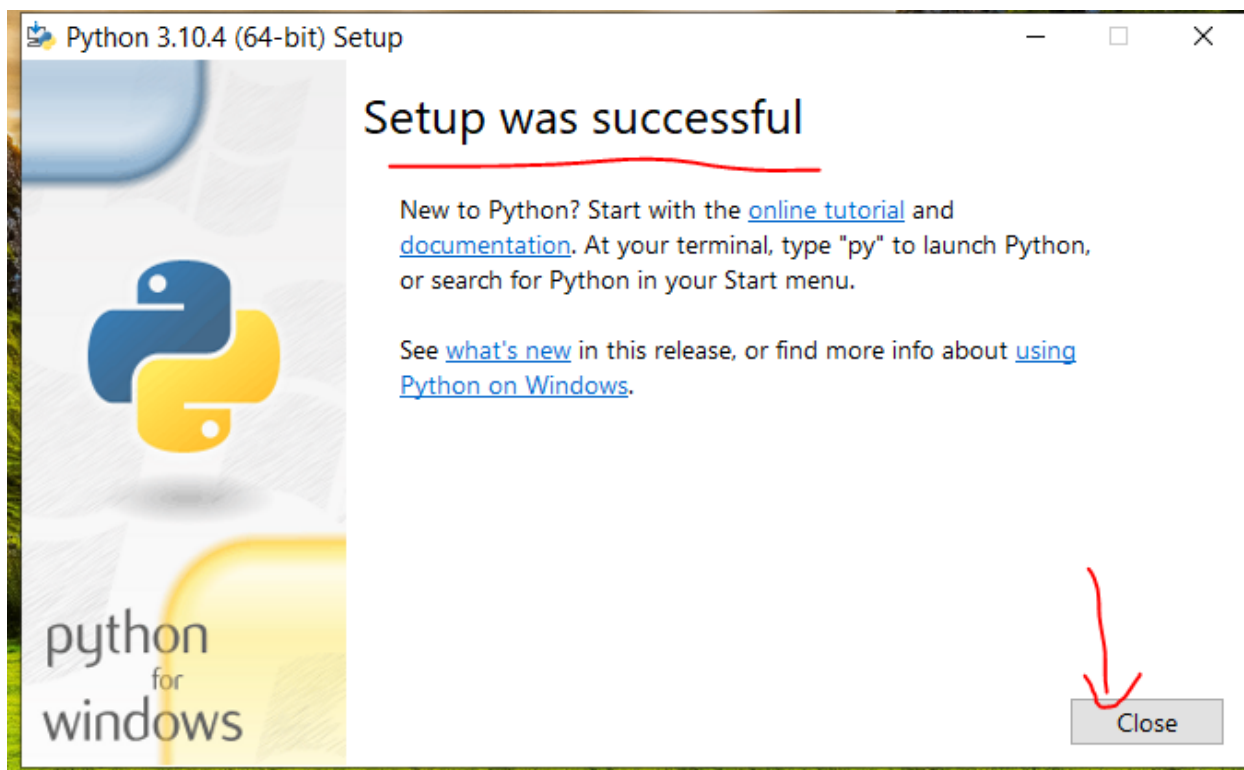
- 双击下载后的安装包 (exe 文件) ,如下图 1



- 弹出上图右侧窗口，点击 2 所指的地方
- 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



- 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

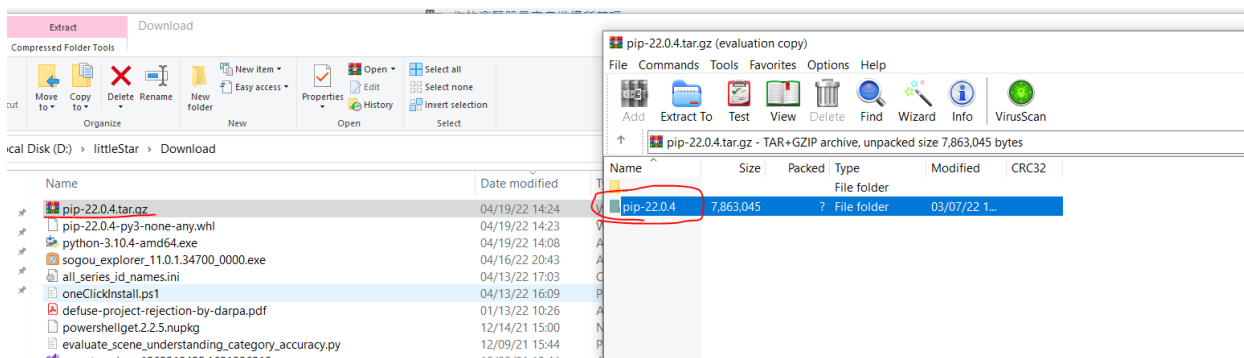
a. 安装 pip

i. 下载安装包：地址为

<https://files.pythonhosted.org/packages/33/c9/e2164122d365d8f823213a53970fa3005eb16218edcfc56ca24cb6deba2b/pip-22.0.4.tar.gz>，官网为：

<https://pypi.org/project/pip/#files>

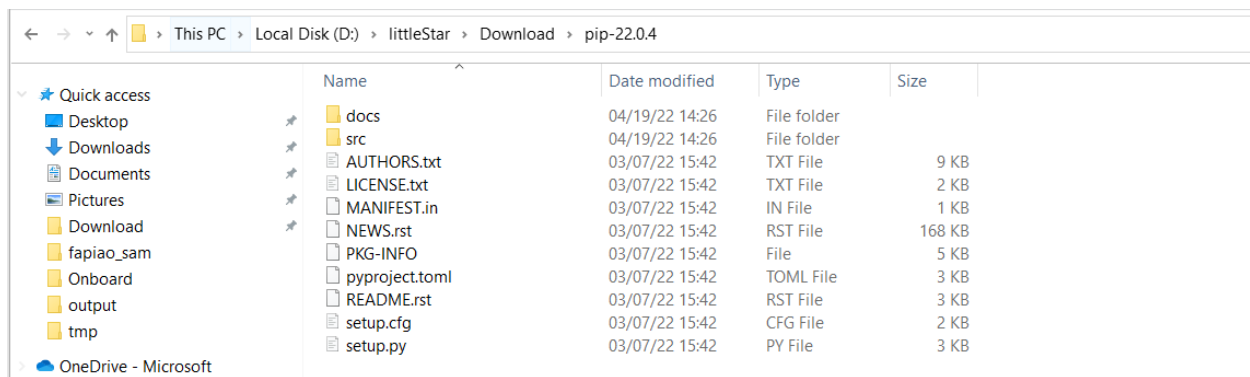
ii. 下载的包解压到本地（建议下载到 C 盘的 Download 文件夹）



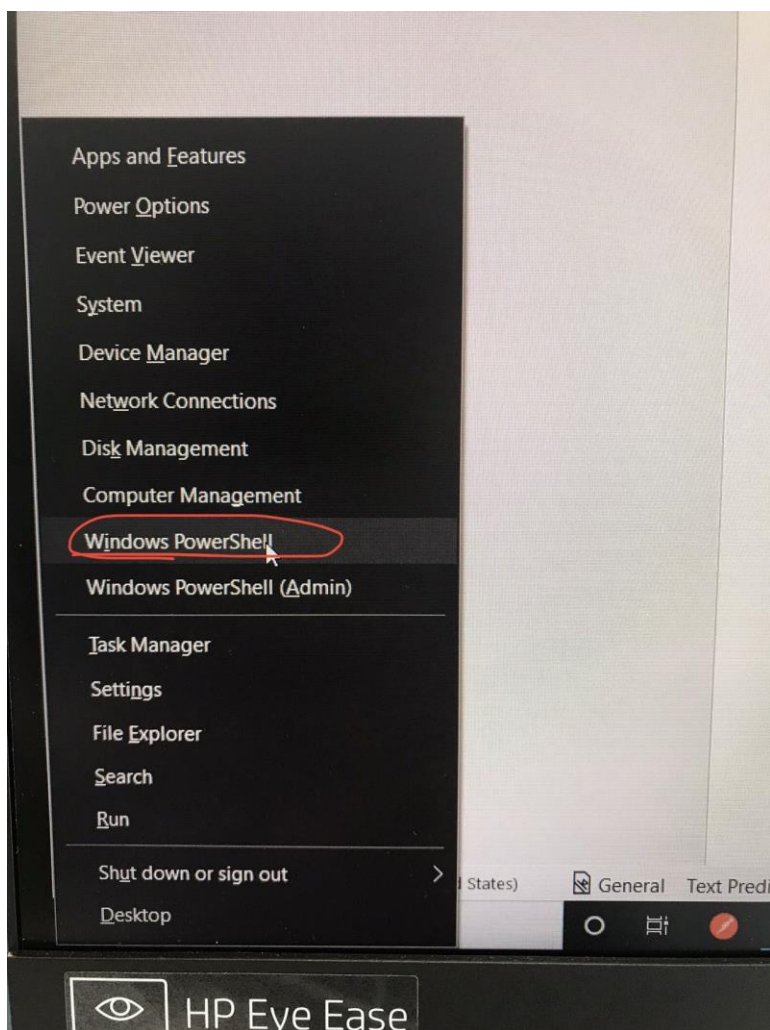
iii. 找到解压后的目录



iv. 进入解压后目录：



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`

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

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\littgao> cd .\Downloads\
PS C:\Users\littgao\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

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

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\littgao> cd .\Downloads\
PS C:\Users\littgao\Downloads> cd .\pip-22.0.4\
PS C:\Users\littgao\Downloads\pip-22.0.4>
```

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`)

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

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\littgao> cd .\Downloads\
PS C:\Users\littgao\Downloads> cd .\pip-22.0.4\
PS C:\Users\littgao\Downloads\pip-22.0.4> ..\..\AppData\Local\Programs\Python\Python310\python.exe .\setup.py install
running install
running bdist_egg
running egg_info
writing src\pip.egg-info\PKG-INFO
writing dependency_links to src\pip.egg-info\dependency_links.txt
writing entry points to src\pip.egg-info\entry_points.txt
writing top-level names to src\pip.egg-info\top_level.txt
reading manifest file 'src\pip.egg-info\SOURCES.txt'
reading manifest template 'MANIFEST.in'
warning: no files found matching 'docs\docutils.conf'
warning: no previously-included files found matching '.coveragerc'
warning: no previously-included files found matching '.mailmap'
warning: no previously-included files found matching '.appveyor.yml'
warning: no previously-included files found matching '.readthedocs.yml'
warning: no previously-included files found matching 'pre-commit-config.yaml'
warning: no previously-included files found matching 'tox.ini'
warning: no previously-included files found matching 'noxfile.py'
warning: no files found matching '*.css' under directory 'docs'
warning: no previously-included files found matching 'src\pip\_vendor\six'
warning: no previously-included files found matching 'src\pip\_vendor\six\moves'
```

输出如下，表示安装成功：

```

creating dist
creating 'dist\pip-22.0.4-py3.10.egg' and adding 'build\bdist.win-amd64\egg' to it
removing 'build\bdist.win-amd64\egg' (and everything under it)
Processing pip-22.0.4-py3.10.egg
creating c:\users\litgao\appdata\local\programs\python\python310\lib\site-packages\pip-22.0.4-py3.10.egg
Extracting pip-22.0.4-py3.10.egg to c:\users\litgao\appdata\local\programs\python\python310\lib\site-packages
Adding pip 22.0.4 to easy-install.pth file
Installing pip-script.py script to C:\Users\litgao\AppData\Local\Programs\Python\Python310\Scripts
Installing pip.exe script to C:\Users\litgao\AppData\Local\Programs\Python\Python310\Scripts
Installing pip3-script.py script to C:\Users\litgao\AppData\Local\Programs\Python\Python310\Scripts
Installing pip3.exe script to C:\Users\litgao\AppData\Local\Programs\Python\Python310\Scripts
Installing pip3.10-script.py script to C:\Users\litgao\AppData\Local\Programs\Python\Python310\Scripts
Installing pip3.10.exe script to C:\Users\litgao\AppData\Local\Programs\Python\Python310\Scripts

Installed c:\users\litgao\appdata\local\programs\python\python310\lib\site-packages\pip-22.0.4-py3.10.egg
Processing dependencies for pip==22.0.4
Finished processing dependencies for pip==22.0.4
PS C:\Users\litgao\Downloads> pip-22.0.4> cd ..

```

- ix. 到此 pip 安装完毕
- x. 回到 download (下载) 文件夹: cd ../

```

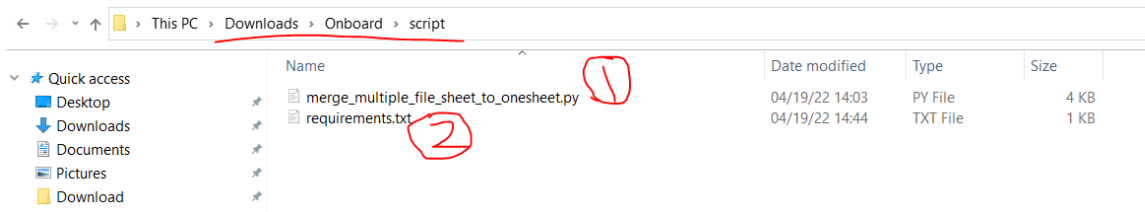
Windows PowerShell
byte-compiling build\bdist.win-amd64\egg\pip\_vendor\webencodings\tests.py to tests.cpython-310.pyc
byte-compiling build\bdist.win-amd64\egg\pip\_vendor\webencodings\_init_.py to _init_.cpython-310.pyc
byte-compiling build\bdist.win-amd64\egg\pip\_vendor\_init_.py to _init_.cpython-310.pyc
byte-compiling build\bdist.win-amd64\egg\pip\_init_.py to _init_.cpython-310.pyc
byte-compiling build\bdist.win-amd64\egg\pip\_main_.py to _main_.cpython-310.pyc
creating build\bdist.win-amd64\egg\EGG-INFO
copying src\pip.egg-info\PKG-INFO -> build\bdist.win-amd64\egg\EGG-INFO
copying src\pip.egg-info\SOURCES.txt -> build\bdist.win-amd64\egg\EGG-INFO
copying src\pip.egg-info\dependency_links.txt -> build\bdist.win-amd64\egg\EGG-INFO
copying src\pip.egg-info\entry_points.txt -> build\bdist.win-amd64\egg\EGG-INFO
copying src\pip.egg-info\not-zip-safe -> build\bdist.win-amd64\egg\EGG-INFO
copying src\pip.egg-info\top_level.txt -> build\bdist.win-amd64\egg\EGG-INFO
creating dist
creating 'dist\pip-22.0.4-py3.10.egg' and adding 'build\bdist.win-amd64\egg' to it
removing 'build\bdist.win-amd64\egg' (and everything under it)
Processing pip-22.0.4-py3.10.egg
creating c:\users\litgao\appdata\local\programs\python\python310\lib\site-packages\pip-22.0.4-py3.10.egg
Extracting pip-22.0.4-py3.10.egg to c:\users\litgao\appdata\local\programs\python\python310\lib\site-packages
Adding pip 22.0.4 to easy-install.pth file
Installing pip-script.py script to C:\Users\litgao\AppData\Local\Programs\Python\Python310\Scripts
Installing pip.exe script to C:\Users\litgao\AppData\Local\Programs\Python\Python310\Scripts
Installing pip3-script.py script to C:\Users\litgao\AppData\Local\Programs\Python\Python310\Scripts
Installing pip3.exe script to C:\Users\litgao\AppData\Local\Programs\Python\Python310\Scripts
Installing pip3.10-script.py script to C:\Users\litgao\AppData\Local\Programs\Python\Python310\Scripts
Installing pip3.10.exe script to C:\Users\litgao\AppData\Local\Programs\Python\Python310\Scripts

Installed c:\users\litgao\appdata\local\programs\python\python310\lib\site-packages\pip-22.0.4-py3.10.egg
Processing dependencies for pip==22.0.4
Finished processing dependencies for pip==22.0.4
PS C:\Users\litgao\Downloads> pip-22.0.4> cd ../
PS C:\Users\litgao\Downloads>

```

## 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\

```

PS C:\Users\litgao\Downloads> cd .\Onboard\script\
PS C:\Users\litgao\Downloads\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 10.1 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`

```

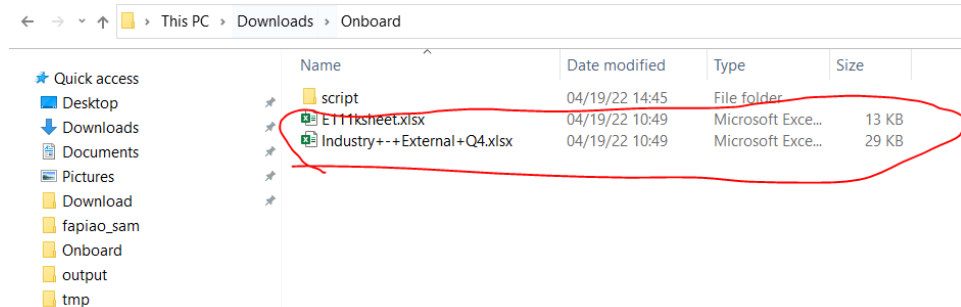
PS C:\Users\litgao\Downloads\Onboard\script> ..\..\..\AppData\Local\Programs\Python\Python310\python.exe -m pip install openpyxl
Collecting openpyxl
  Using cached openpyxl-3.0.9-py2.py3-none-any.whl (242 kB)
Collecting et_xmlfile
  Using cached et_xmlfile-1.1.0-py3-none-any.whl (4.7 kB)
Installing collected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

```

PS C:\Users\litgao\Downloads\Onboard\script> cd ..\..\
PS C:\Users\litgao\Downloads> cd .\Onboard\script\
PS C:\Users\litgao\Downloads\Onboard\script>

```

c. 执行如下命令即可:

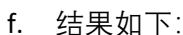
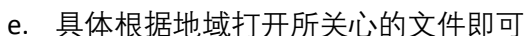
```

..\..\..\AppData\Local\Programs\Python\Python310\python.exe .\merge_multiple_file_s
heet_to_onesheet.py
..\..\..\AppData\Local\Programs\Python\Python310\python.exe .\merge_multiple_file_s
heet_to_onesheet.py "Suzhou"
..\..\..\AppData\Local\Programs\Python\Python310\python.exe .\merge_multiple_file_s
heet_to_onesheet.py "Beijing"
..\..\..\AppData\Local\Programs\Python\Python310\python.exe .\merge_multiple_file_s
heet_to_onesheet.py "Shanghai"

```



d. 输出数据存放目录 Onboard 下的 output 文件夹:



| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 | 121 | 122 | 123 | 124 | 125 | 126 | 127 | 128 | 129 | 130 | 131 | 132 | 133 | 134 | 135 | 136 | 137 | 138 | 139 | 140 | 141 | 142 | 143 | 144 | 145 | 146 | 147 | 148 | 149 | 150 | 151 | 152 | 153 | 154 | 155 | 156 | 157 | 158 | 159 | 160 | 161 | 162 | 163 | 164 | 165 | 166 | 167 | 168 | 169 | 170 | 171 | 172 | 173 | 174 | 175 | 176 | 177 | 178 | 179 | 180 | 181 | 182 | 183 | 184 | 185 | 186 | 187 | 188 | 189 | 190 | 191 | 192 | 193 | 194 | 195 | 196 | 197 | 198 | 199 | 200 | 201 | 202 | 203 | 204 | 205 | 206 | 207 | 208 | 209 | 210 | 211 | 212 | 213 | 214 | 215 | 216 | 217 | 218 | 219 | 220 | 221 | 222 | 223 | 224 | 225 | 226 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 253 | 254 | 255 | 256 | 257 | 258 | 259 | 260 | 261 | 262 | 263 | 264 | 265 | 266 | 267 | 268 | 269 | 270 | 271 | 272 | 273 | 274 | 275 | 276 | 277 | 278 | 279 | 280 | 281 | 282 | 283 | 284 | 285 | 286 | 287 | 288 | 289 | 290 | 291 | 292 | 293 | 294 | 295 | 296 | 297 | 298 | 299 | 300 | 301 | 302 | 303 | 304 | 305 | 306 | 307 | 308 | 309 | 310 | 311 | 312 | 313 | 314 | 315 | 316 | 317 | 318 | 319 | 320 | 321 | 322 | 323 | 324 | 325 | 326 | 327 | 328 | 329 | 330 | 331 | 332 | 333 | 334 | 335 | 336 | 337 | 338 | 339 | 340 | 341 | 342 | 343 | 344 | 345 | 346 | 347 | 348 | 349 | 350 | 351 | 352 | 353 | 354 | 355 | 356 | 357 | 358 | 359 | 360 | 361 | 362 | 363 | 364 | 365 | 366 | 367 | 368 | 369 | 370 | 371 | 372 | 373 | 374 | 375 | 376 | 377 | 378 | 379 | 380 | 381 | 382 | 383 | 384 | 385 | 386 | 387 | 388 | 389 | 390 | 391 | 392 | 393 | 394 | 395 | 396 | 397 | 398 | 399 | 400 | 401 | 402 | 403 | 404 | 405 | 406 | 407 | 408 | 409 | 410 | 411 | 412 | 413 | 414 | 415 | 416 | 417 | 418 | 419 | 420 | 421 | 422 | 423 | 424 | 425 | 426 | 427 | 428 | 429 | 430 | 431 | 432 | 433 | 434 | 435 | 436 | 437 | 438 | 439 | 440 | 441 | 442 | 443 | 444 | 445 | 446 | 447 | 448 | 449 | 450 | 451 | 452 | 453 | 454 | 455 | 456 | 457 | 458 | 459 | 460 | 461 | 462 | 463 | 464 | 465 | 466 | 467 | 468 | 469 | 470 | 471 | 472 | 473 | 474 | 475 | 476 | 477 | 478 | 479 | 480 | 481 | 482 | 483 | 484 | 485 | 486 | 487 | 488 | 489 | 490 | 491 | 492 | 493 | 494 | 495 | 496 | 497 | 498 | 499 | 500 | 501 | 502 | 503 | 504 | 505 | 506 | 507 | 508 | 509 | 510 | 511 | 512 | 513 | 514 | 515 | 516 | 517 | 518 | 519 | 520 | 521 | 522 | 523 | 524 | 525 | 526 | 527 | 528 | 529 | 530 | 531 | 532 | 533 | 534 | 535 | 536 | 537 | 538 | 539 | 540 | 541 | 542 | 543 | 544 | 545 | 546 | 547 | 548 | 549 | 550 | 551 | 552 | 553 | 554 | 555 | 556 | 557 | 558 | 559 | 560 | 561 | 562 | 563 | 564 | 565 | 566 | 567 | 568 | 569 | 570 | 571 | 572 | 573 | 574 | 575 | 576 | 577 | 578 | 579 | 580 | 581 | 582 | 583 | 584 | 585 | 586 | 587 | 588 | 589 | 590 | 591 | 592 | 593 | 594 | 595 | 596 | 597 | 598 | 599 | 600 | 601 | 602 | 603 | 604 | 605 | 606 | 607 | 608 | 609 | 610 | 611 | 612 | 613 | 614 | 615 | 616 | 617 | 618 | 619 | 620 | 621 | 622 | 623 | 624 | 625 | 626 | 627 | 628 | 629 | 630 | 631 | 632 | 633 | 634 | 635 | 636 | 637 | 638 | 639 | 640 | 641 | 642 | 643 | 644 | 645 | 646 | 647 | 648 | 649 | 650 | 651 | 652 | 653 | 654 | 655 | 656 | 657 | 658 | 659 | 660 | 661 | 662 | 663 | 664 | 665 | 666 | 667 | 668 | 669 | 670 | 671 | 672 | 673 | 674 | 675 | 676 | 677 | 678 | 679 | 680 | 681 | 682 | 683 | 684 | 685 | 686 | 687 | 688 | 689 | 690 | 691 | 692 | 693 | 694 | 695 | 696 | 697 | 698 | 699 | 700 | 701 | 702 | 703 | 704 | 705 | 706 | 707 | 708 | 709 | 710 | 711 | 712 | 713 | 714 | 715 | 716 | 717 | 718 | 719 | 720 | 721 | 722 | 723 | 724 | 725 | 726 | 727 | 728 | 729 | 730 | 731 | 732 | 733 | 734 | 735 | 736 | 737 | 738 | 739 | 740 | 741 | 742 | 743 | 744 | 745 | 746 | 747 | 748 | 749 | 750 | 751 | 752 | 753 | 754 | 755 | 756 | 757 | 758 | 759 | 760 | 761 | 762 | 763 | 764 | 765 | 766 | 767 | 768 | 769 | 770 | 771 | 772 | 773 | 774 | 775 | 776 | 777 | 778 | 779 | 780 | 781 | 782 | 783 | 784 | 785 | 786 | 787 | 788 | 789 | 790 | 791 | 792 | 793 | 794 | 795 | 796 | 797 | 798 | 799 | 800 | 801 | 802 | 803 | 804 | 805 | 806 | 807 | 808 | 809 | 810 | 811 | 812 | 813 | 814 | 815 | 816 | 817 | 818 | 819 | 820 | 821 | 822 | 823 | 824 | 825 | 826 | 827 | 828 | 829 | 830 | 831 | 832 | 833 | 834 | 835 | 836 | 837 | 838 | 839 | 840 | 841 | 842 | 843 | 844 | 845 | 846 | 847 | 848 | 849 | 850 | 851 | 852 | 853 | 854 | 855 | 856 | 857 | 858 | 859 | 860 | 861 | 862 | 863 | 864 | 865 | 866 | 867 | 868 | 869 | 870 | 871 | 872 | 873 | 874 | 875 | 876 | 877 | 878 | 879 | 880 | 881 | 882 | 883 | 884 | 885 | 886 | 887 | 888 | 889 | 890 | 891 | 892 | 893 | 894 | 895 | 896 | 897 | 898 | 899 | 900 | 901 | 902 | 903 | 904 | 905 | 906 | 907 | 908 | 909 | 910 | 911 | 912 | 913 | 914 | 915 | 916 | 917 | 918 | 919 | 920 | 921 | 922 | 923 | 924 | 925 | 926 | 927 | 928 | 929 | 930 | 931 | 932 | 933 | 934 | 935 | 936 | 937 | 938 | 939 | 940 | 941 | 942 | 943 | 944 | 945 | 946 | 947 | 948 | 949 | 950 | 951 | 952 | 953 | 954 | 955 | 956 | 957 | 958 | 959 | 960 | 961 | 962 | 963 | 964 | 965 | 966 | 967 | 968 | 969 | 970 | 971 | 972 | 973 | 974 | 975 | 976 | 977 | 978 | 979 | 980 | 981 | 982 | 983 | 984 | 985 | 986 | 987 | 988 | 989 | 990 | 991 | 992 | 993 | 994 | 995 | 996 | 997 | 998 | 999 | 1000 |
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