## **ODBC** installation for Windows

#### **Step 1: Download ODBC Driver 13.1 to Your Computer**

- 1. Visiting the website: <a href="https://www.microsoft.com/en-us/download/details.aspx?id=53339">https://www.microsoft.com/en-us/download/details.aspx?id=53339</a>
- 2. Click Download and choose the corresponding version to your computer.
  - 64-bit -> x64\msodbcsql.msi 32-bit -> x86\msodbcsql.msi
- 3. Install the driver, just following the default settings.
- 4. If you find the installation is interrupted by something that remind you to update. Just press "Ignore" button and continue. If you installation is stuck in process around 50%, just wait 2 minutes. If it cannot work, please restart you computer and install it again.



#### Step 2: pip install

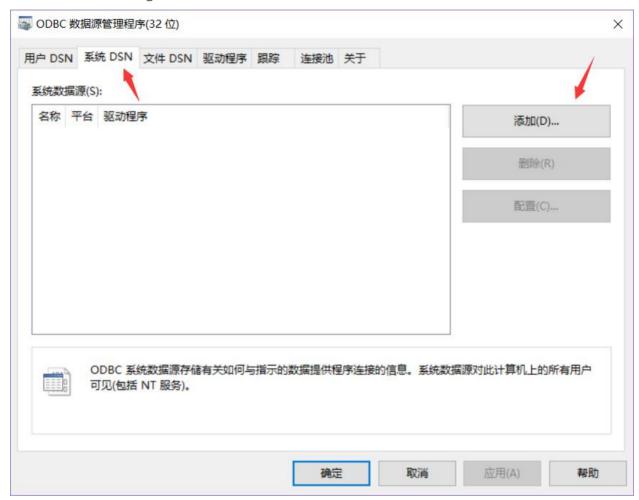
- 1. Press your Windows key (the key on the right of alt key), type 'cmd' three letters and click the preferred
- 2. If you find your 'pip' command is not work, please type next three line code and ignore the next two steps.

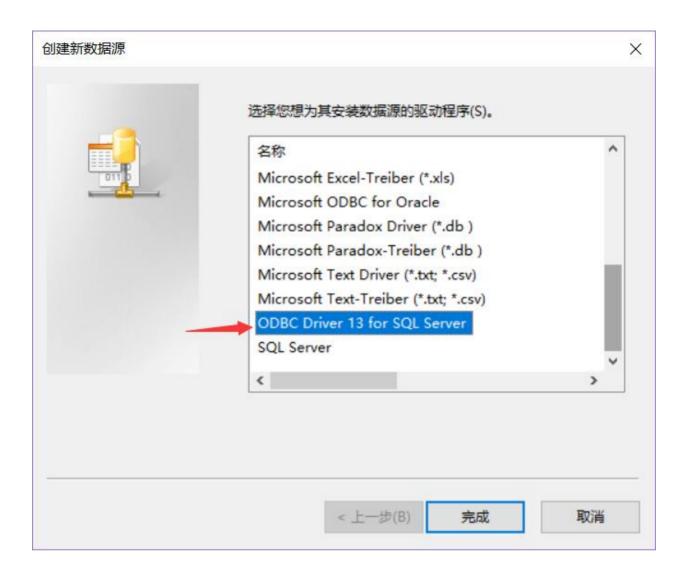
```
python -m ensurepip
python -m pip install pyodbc
python -m pip install bokeh
```

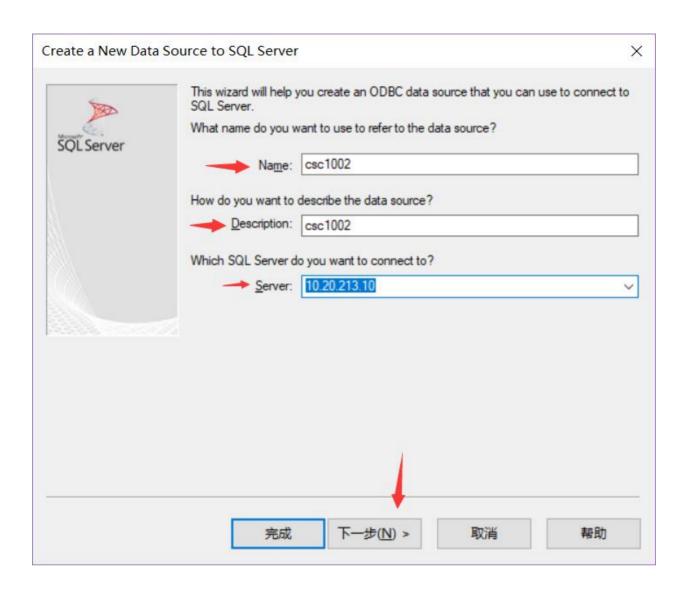
- 3. type: pip3 install pyodbc (just wait until the package is installed successfully)
- 4. type: pip3 install bokeh (just wait until the package is installed successfully)

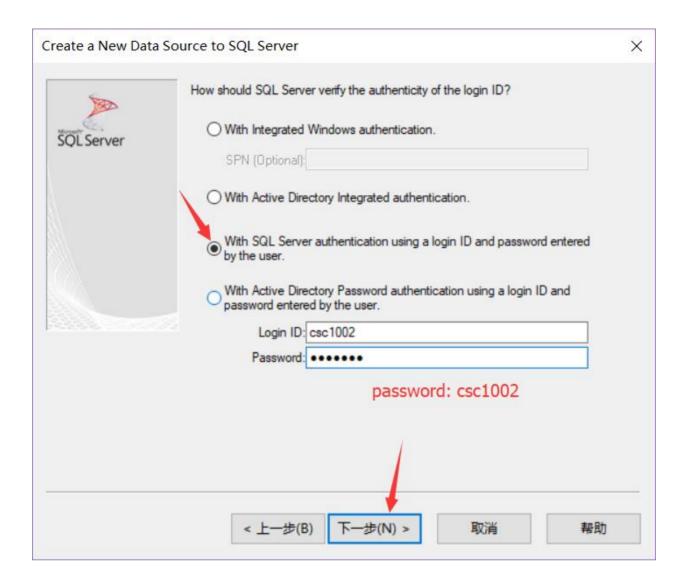
### **Step 3: ODBC Configuration**

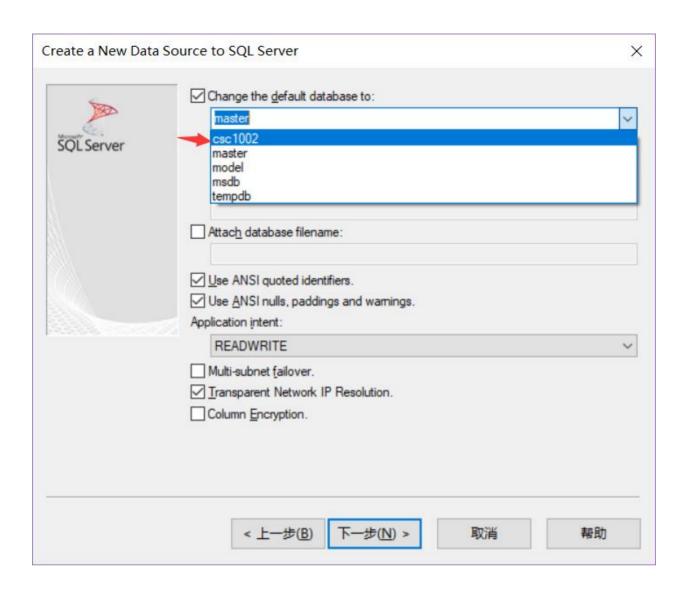
- 1. Press your Windows key, type 'odbc' four letters and click the preferred one.
- 2. Follow the next 10 images

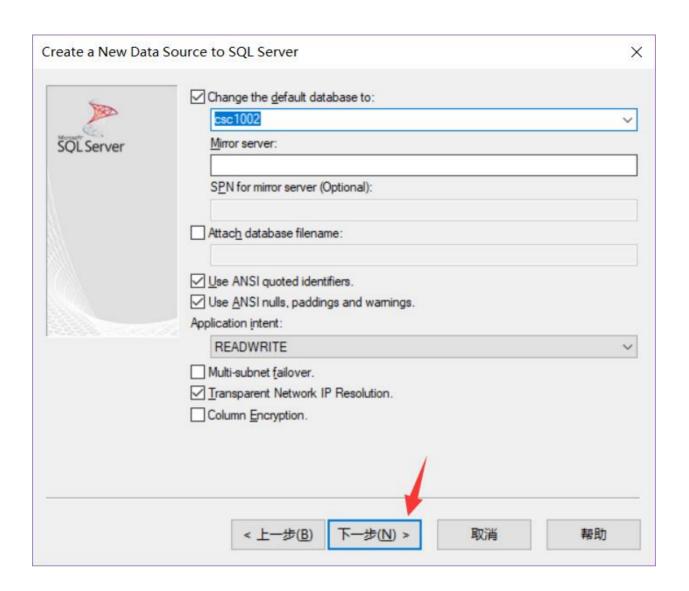




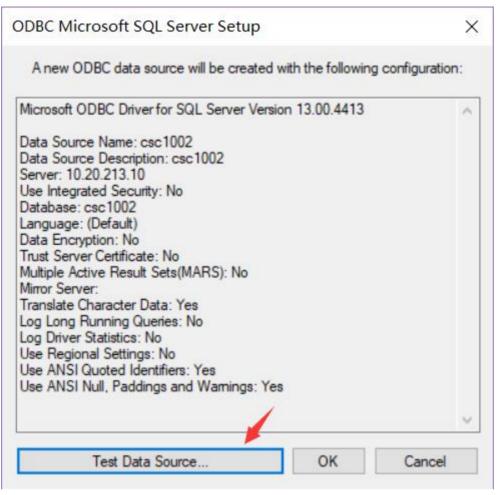


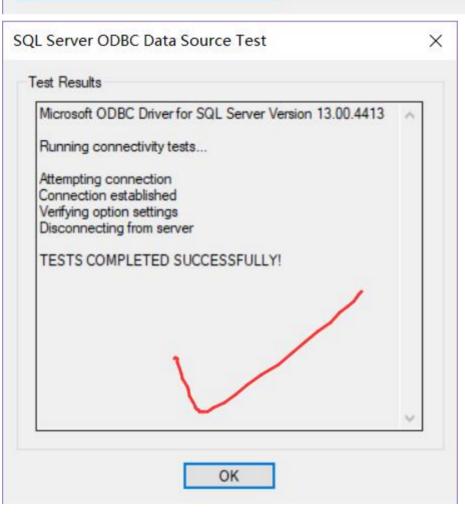


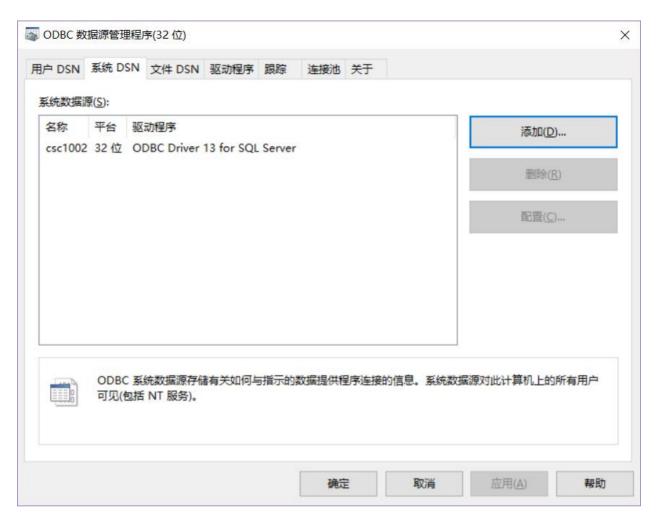




SQL Server	Change the language of SQL Server system messages to:	
	(Default)	
	Use strong encryption for data.	
	Trust server certificate.	
	Perform translation for character data.	
	Use regional settings when outputting currency, numbers, d	lates and times.
	Save long running queries to the log file:	
	C:\Users\Admin\AppData\Local\Temp\QUERY.LOt	Browse
	Long query time (milliseconds): 30	000
	Log ODBC driver statistics to the log file:	
	C:\Users\Admin\AppData\Local\Temp\STATS.LOC	Browse
	Connect retry count: 1	
	Connect retry interval (seconds): 10	

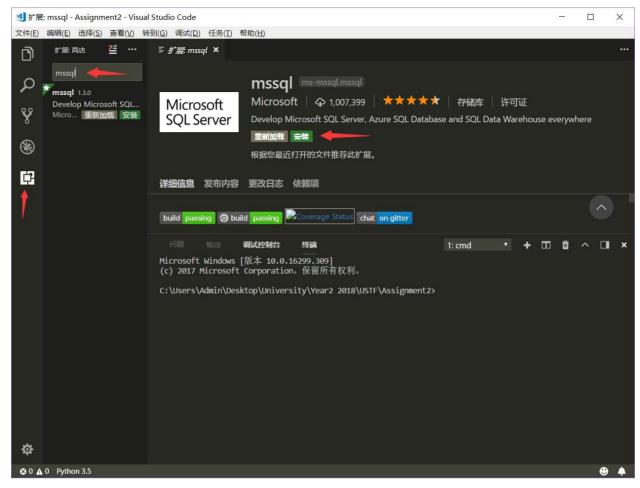




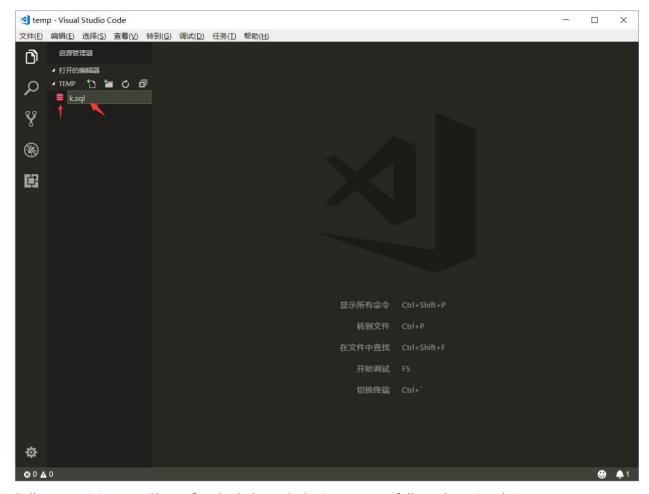


# **Step 4: Visual Studio Code Extension Install**

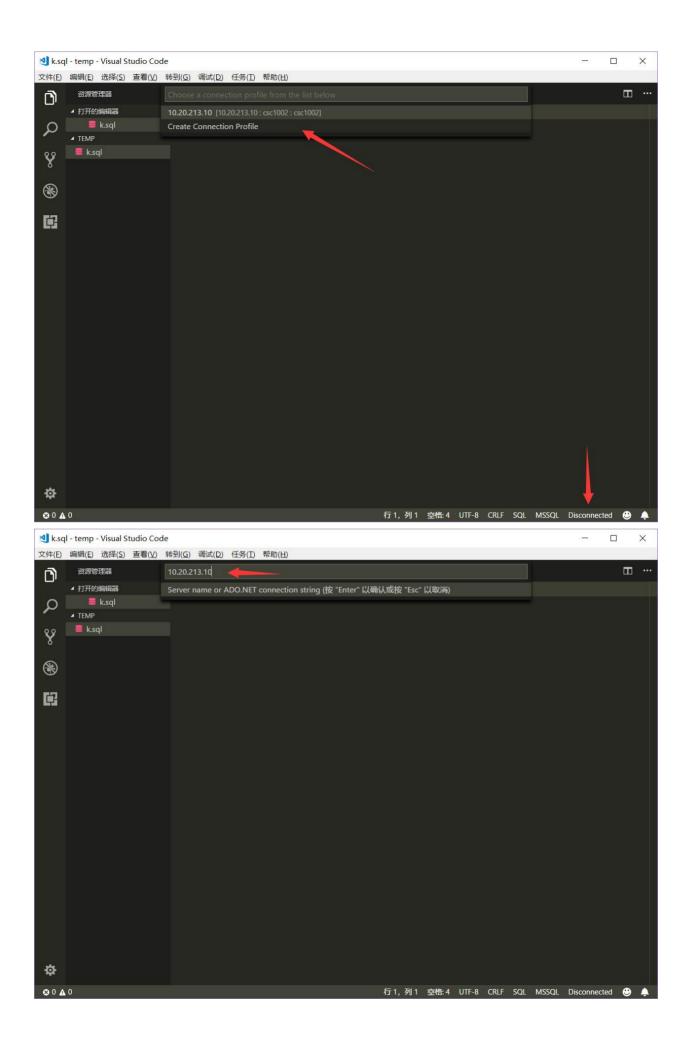
1. Open your vscode, click extension button and type 'mssql' five letters, and then install it.

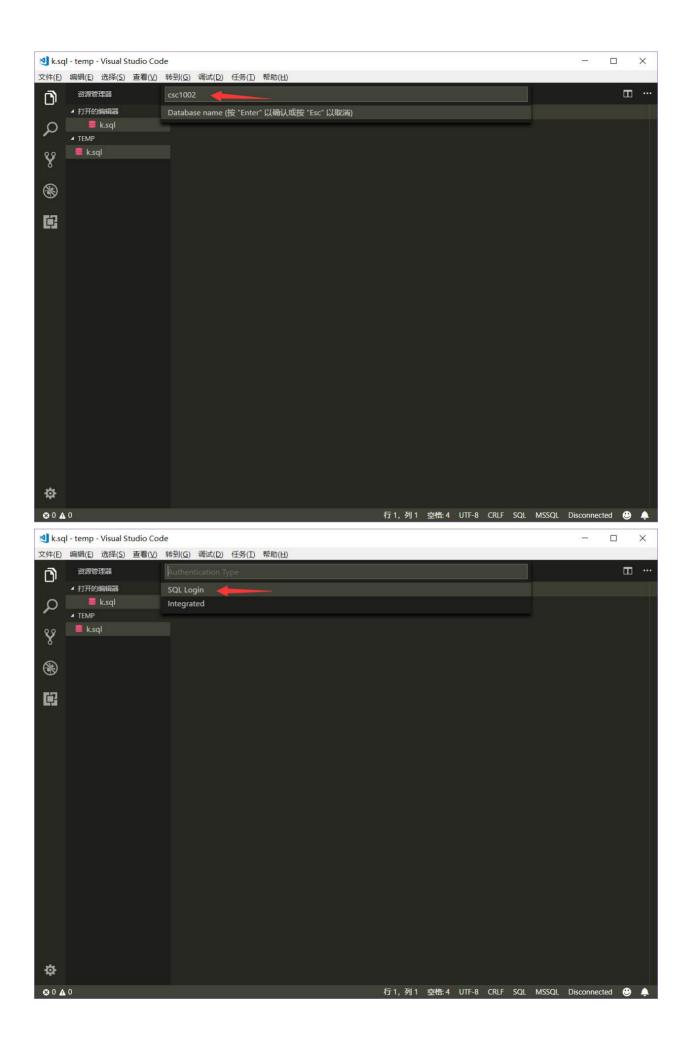


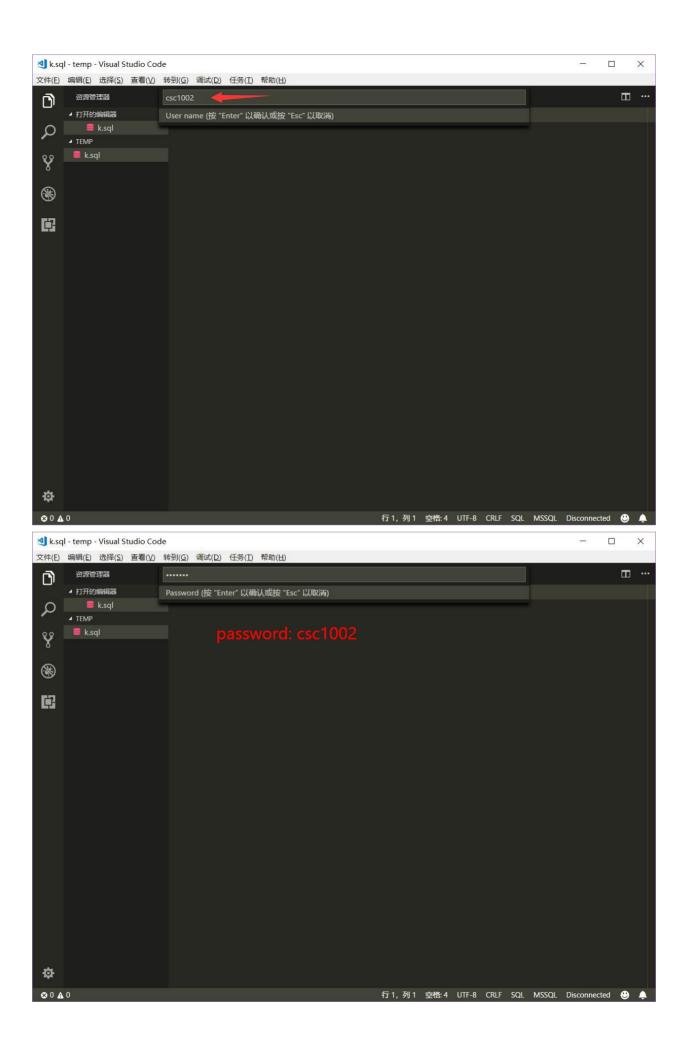
- 2. Click "重新加载" button after your successful installation.
- 3. Creat a file with suffix '.sql' in a new folder. Wait an automatic download which will last a minute or two.

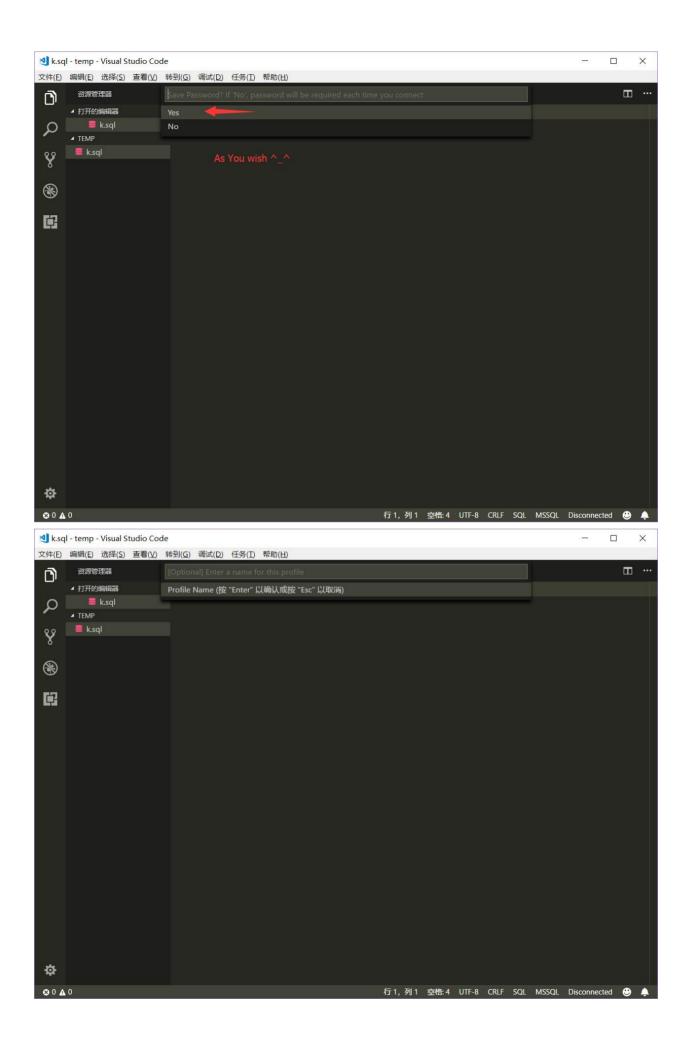


4. Follow next 8 images (Please first look through the images carefully and cautiously)



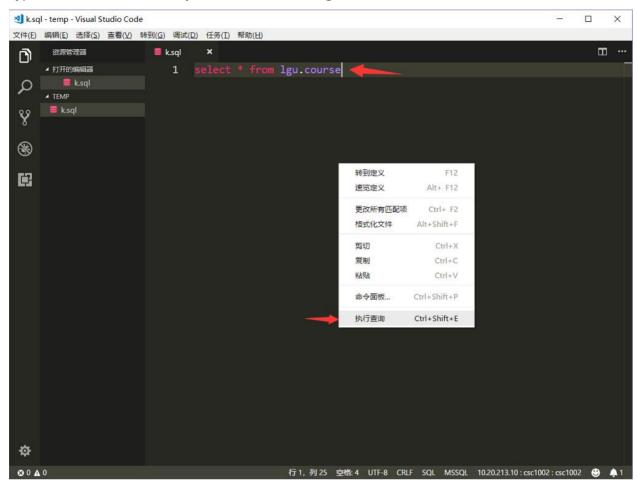




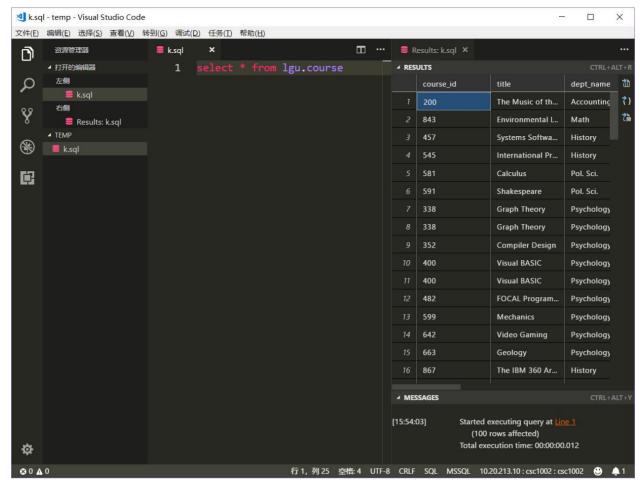


# Step 5: Check all your work and get 20% of your assignment

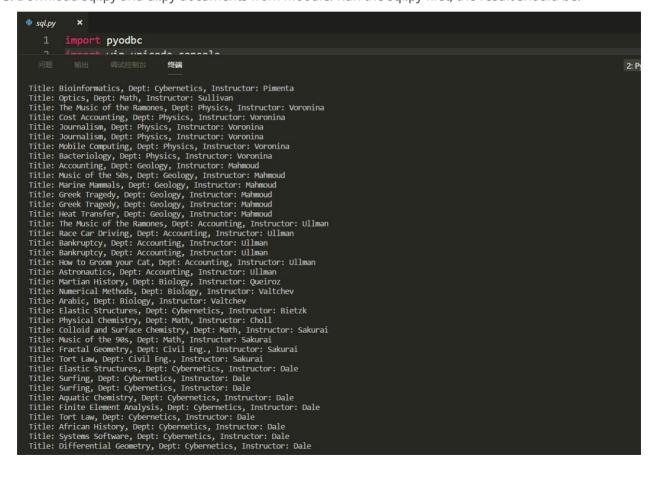
1. Type one line code, and save your document, then right click



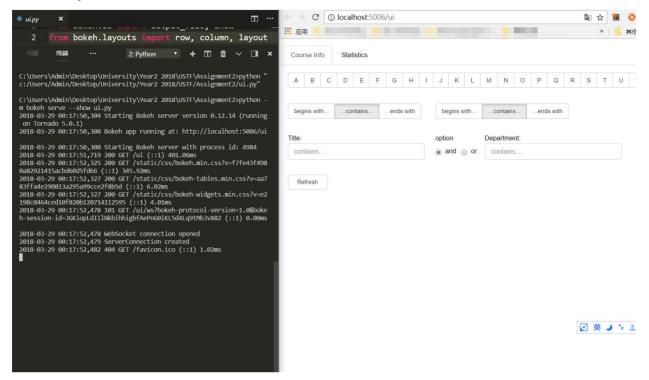
2. The result will be shown like this image below:



3. Download sql.py and ui.py documents from Moodle. Run the sql.py first, the result should be:



4. Run the ui.py (There is no output). And type the code: "python -m bokeh serve --show ui.py" in your terminal. Please make sure your ui.py document is at the same folder as which you are openning in Vscode, or your will meet "No such file" error. The result should be like this:



Press Ctrl+C in terminal after you show your result to the instructor(s). That's all.