

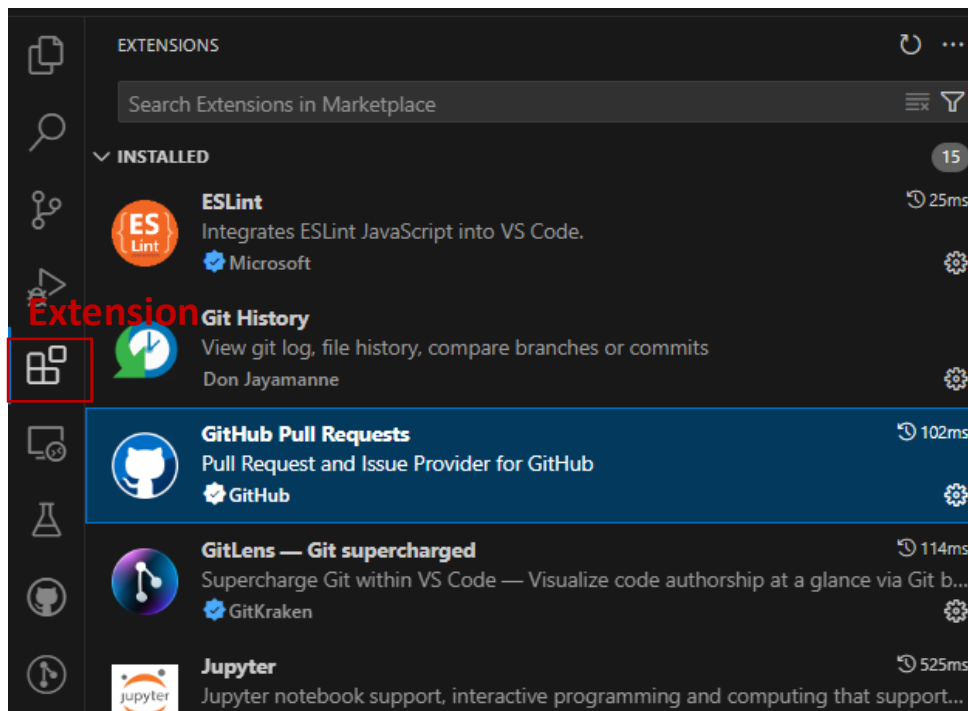
GitHub Link: https://github.com/DonSiau/SQL_Grading.git

Prerequisites:

1) Visual Studio Code (VSC):

https://code.visualstudio.com/?wt.mc_id=vscom_downloads

2) Python, GitHub Pull Requests: Download from VSC extensions on the Extension panel. After installed, click on the extensions and enable them




Python

v2024.14.1

Microsoft microsoft.com | 136,489,645 | ★★★★★ (597)

Python language support with extension access points for IntelliSense (Pylance), Debugging (Python Debugger), linting, formatting, refactoring, unit tests, ...

[Disable](#) [Uninstall](#) [Switch to Pre-Release Version](#) ☒ Auto Update 




GitHub Pull Requests

v0.96.0

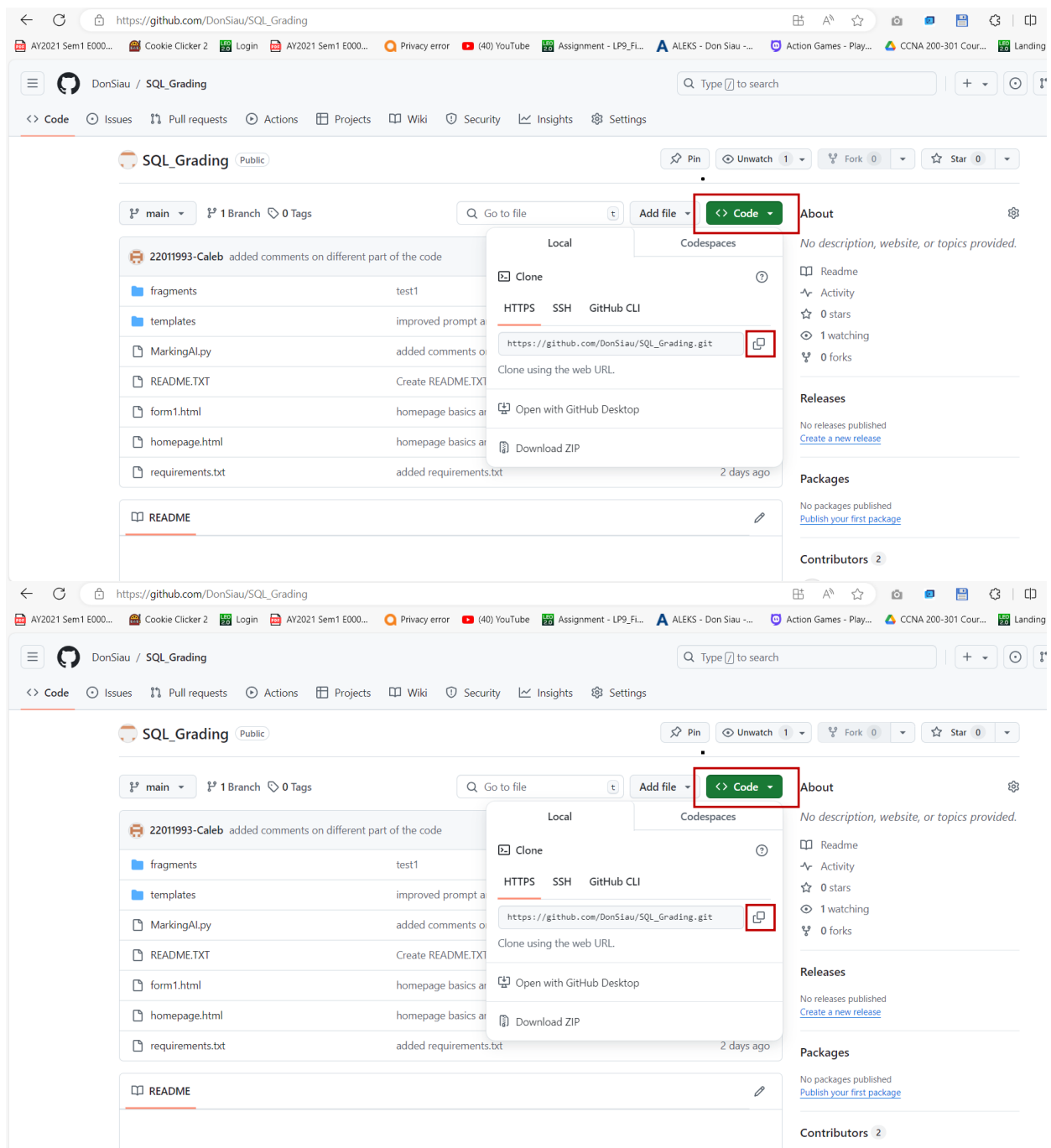
GitHub github.com | 24,352,936 | ★★★★★ (167)

Pull Request and Issue Provider for GitHub

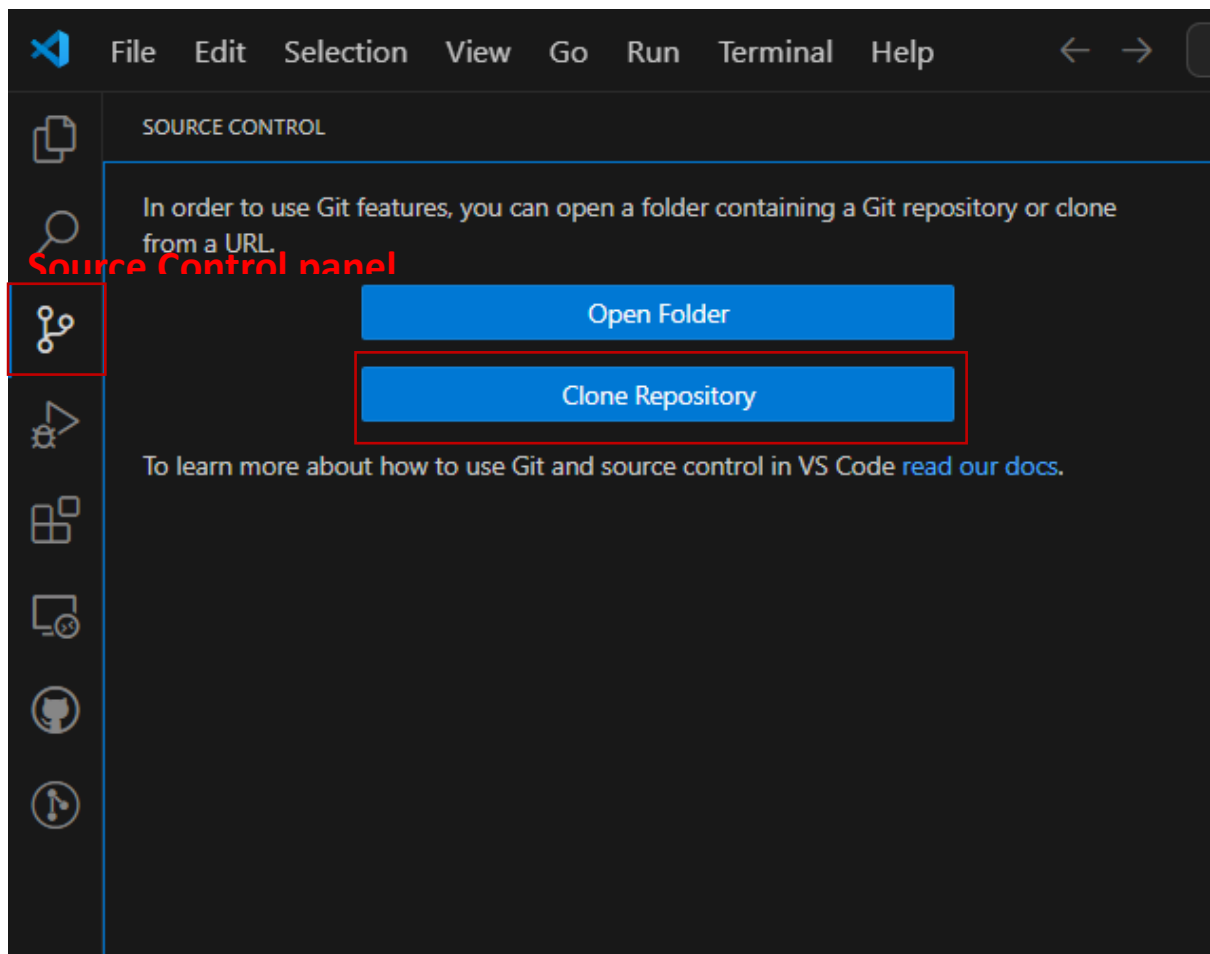
[Disable](#) [Uninstall](#) [Switch to Pre-Release Version](#) ☒ Auto Update 

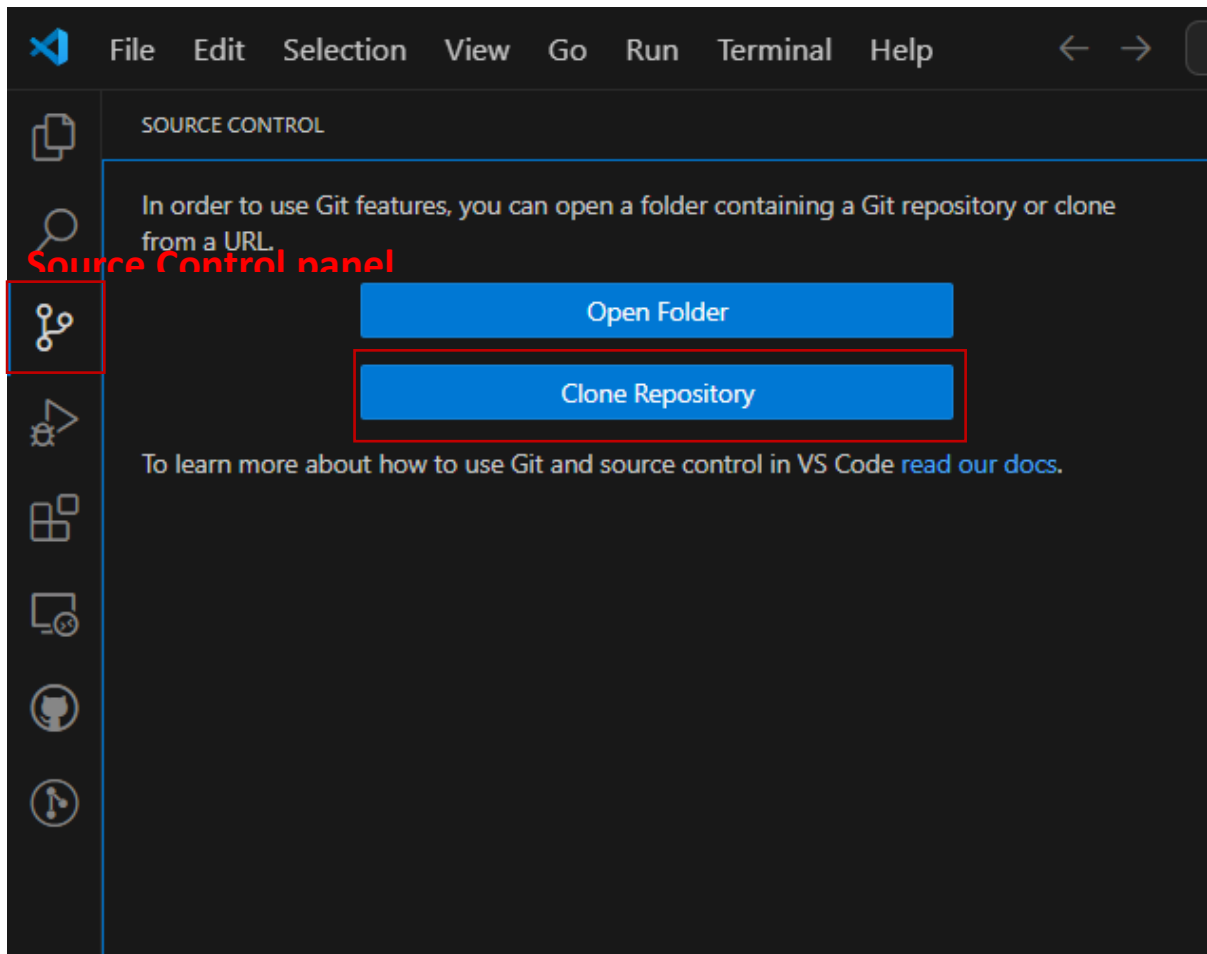
Installation

Step 1: Go to the GitHub link. Click on “Code”, then copy the HTTPS link

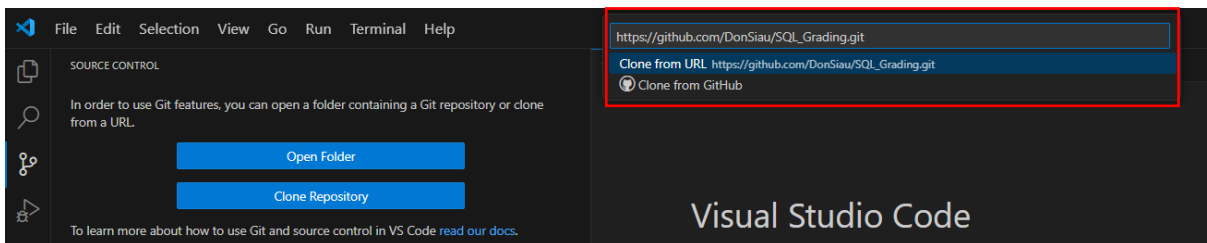


Step 2: on VSC the repository. Click the “Source control” panel and click “Clone Repository”

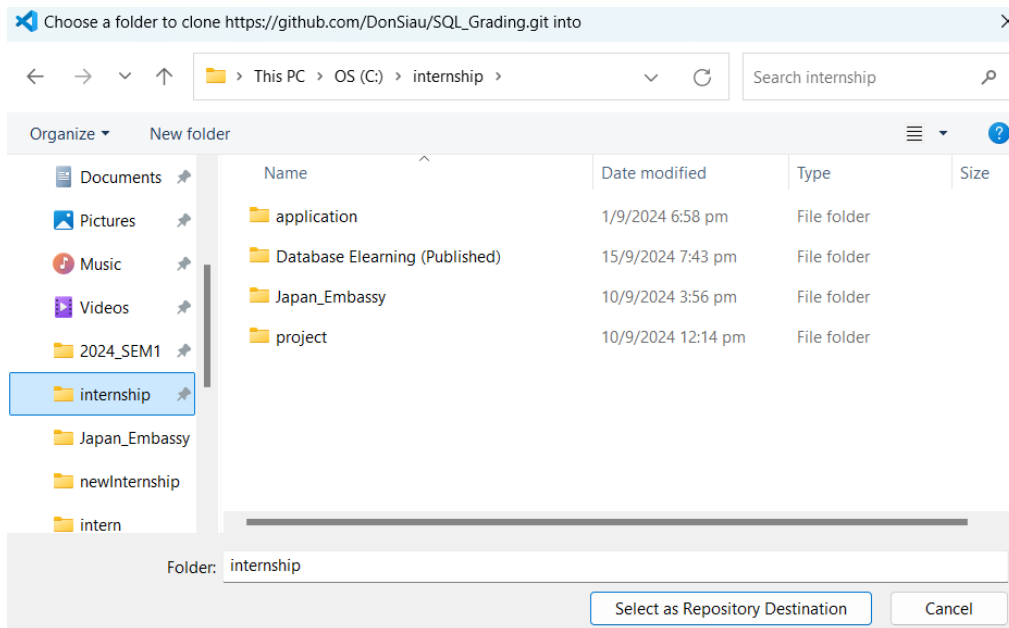




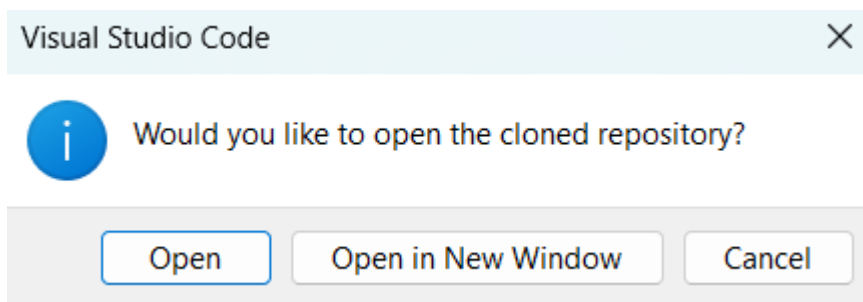
Step 3: Paste the HTTPS link into the search bar. Then press enter



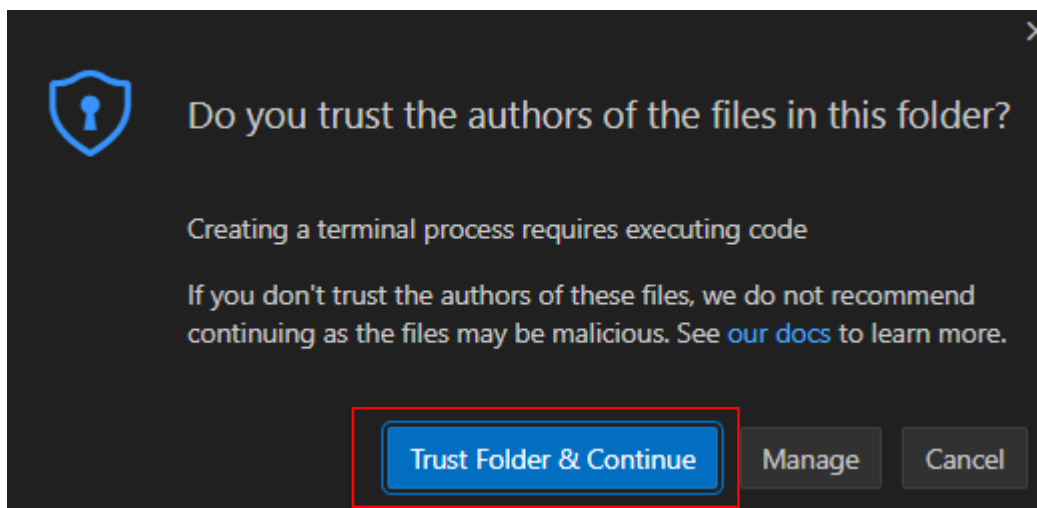
Step 4: Choose a folder to clone the repository to. Then click “Select as Repository Destination”

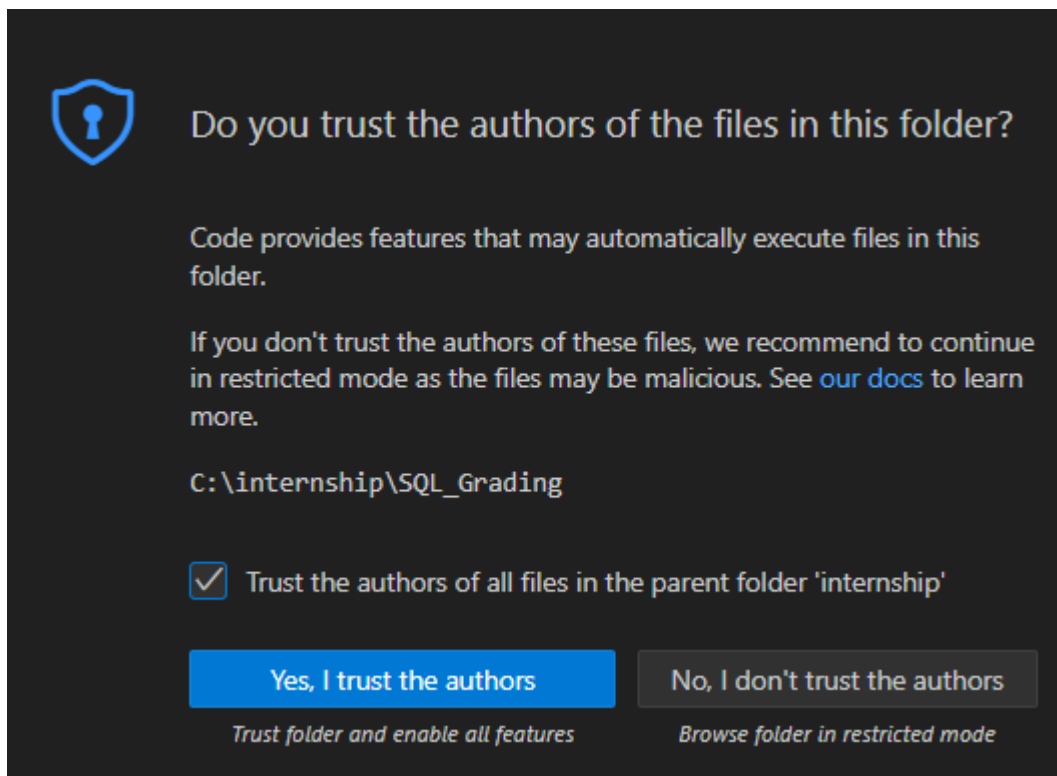


Step 5: On VSC this prompt appears. press open.

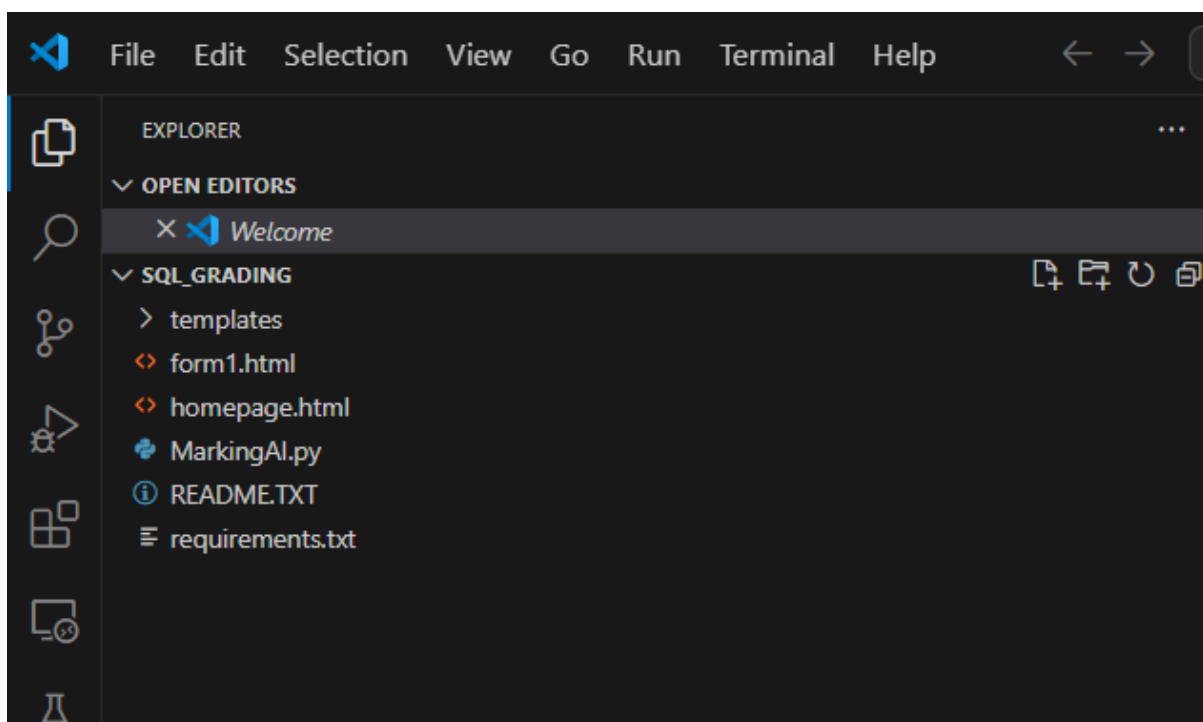


Step 6: On VSC these prompts appear. Click that you trust the authors like the images below

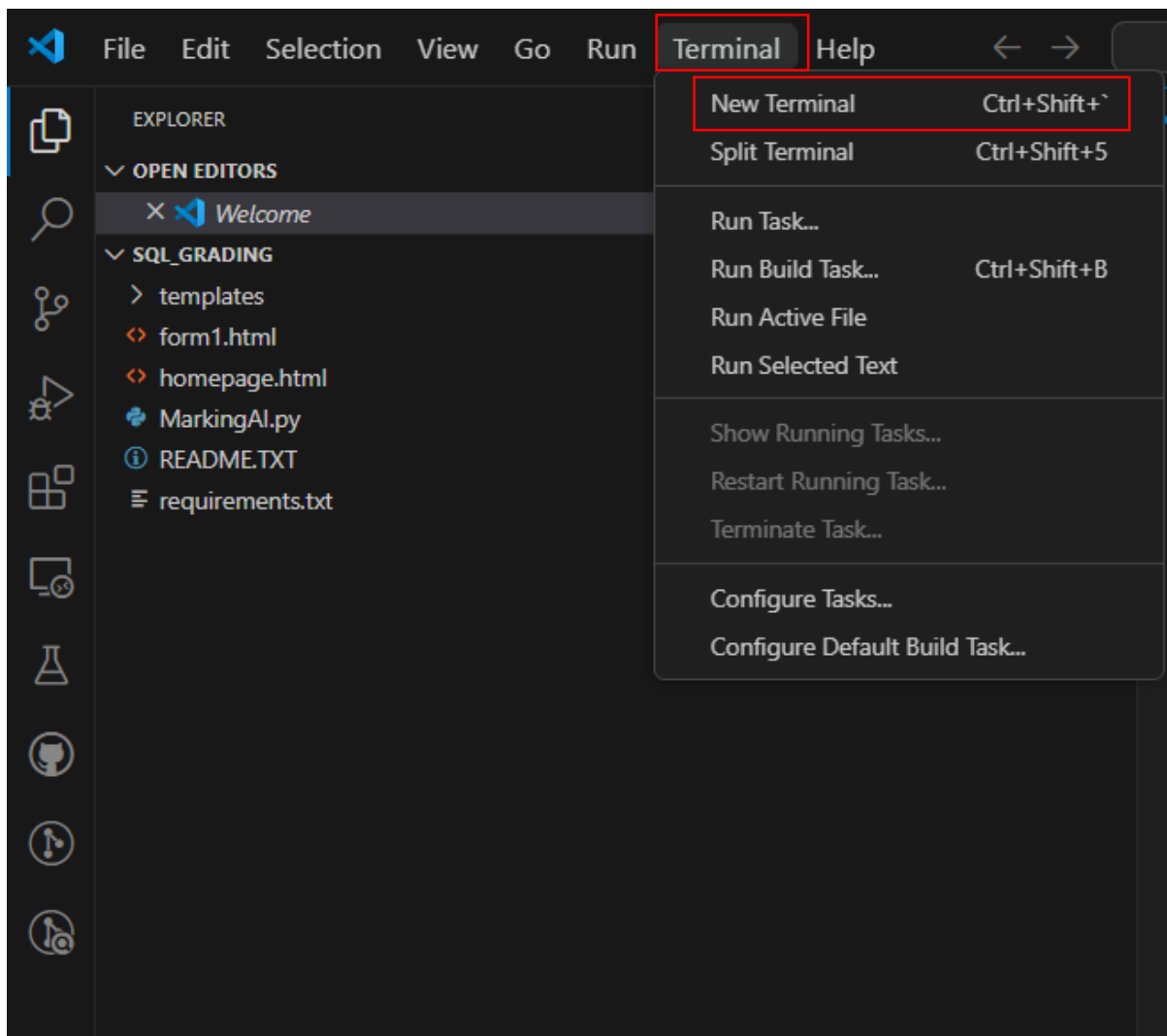




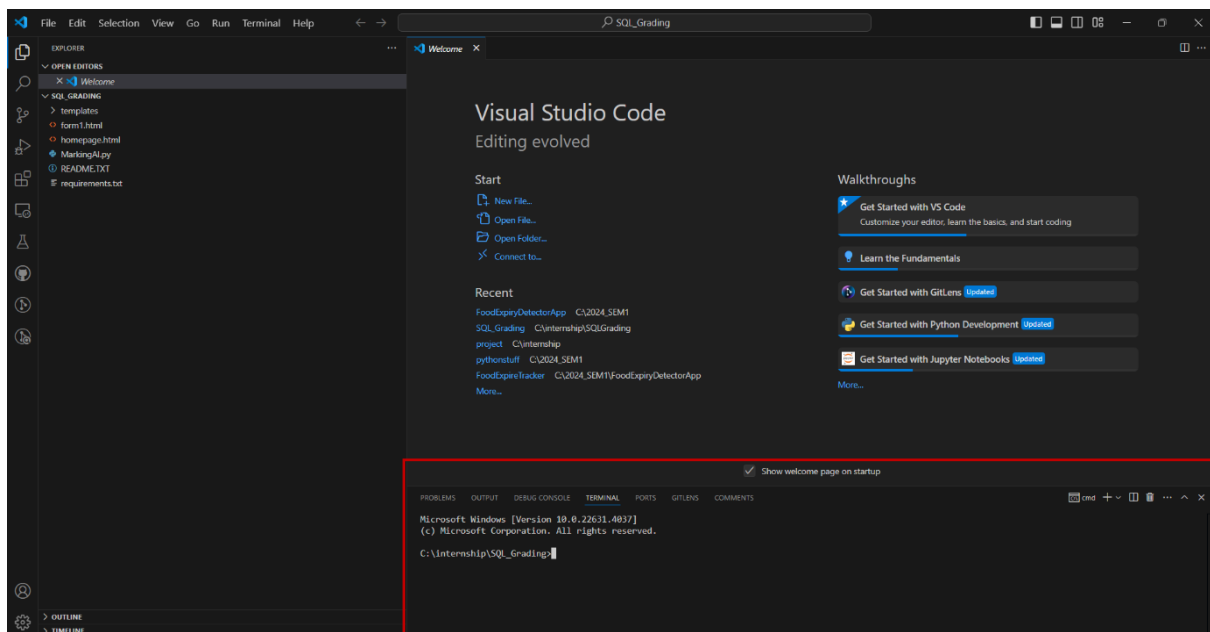
Now on the sidebar the project has been imported



Step 7: click "Terminal" and "New Terminal"



A terminal appears at the bottom of screen



Step 8: Input “pip install -r requirements.txt” and press enter

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

Microsoft Windows [Version 10.0.22631.4037]
(c) Microsoft Corporation. All rights reserved.

C:\internship\SQL_Grading>pip install -r requirements.txt
```

Now the requirements are installed (note in the image the requirements were already preinstalled, so it would look different on your end)

```
Microsoft Windows [Version 10.0.22631.4037]
(c) Microsoft Corporation. All rights reserved.

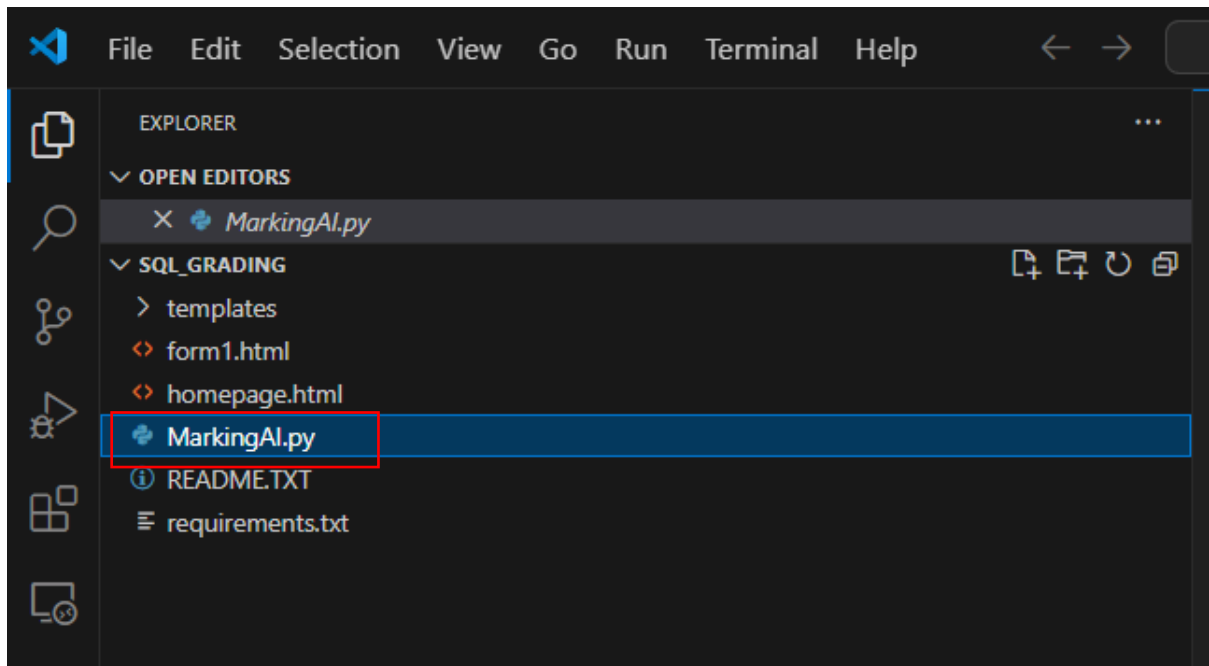
C:\internship\SQL_Grading>pip install -r requirements.txt
Requirement already satisfied: Flask==3.0.3 in c:\python312\lib\site-packages (from -r requirements.txt (line 1)) (3.0.3)
Requirement already satisfied: pandas==2.2.2 in c:\users\22001326\appdata\roaming\python\python312\site-packages (from -r requirements.txt (line 2)) (2.2.2)
Requirement already satisfied: Requests==2.32.3 in c:\users\22001326\appdata\roaming\python\python312\site-packages (from -r requirements.txt (line 3)) (2.32.3)
Requirement already satisfied: Werkzeug==3.0.0 in c:\python312\lib\site-packages (from Flask==3.0.3->-r requirements.txt (line 1)) (3.0.3)
Requirement already satisfied: Jinja2==3.1.2 in c:\python312\lib\site-packages (from Flask==3.0.3->-r requirements.txt (line 1)) (3.1.4)
Requirement already satisfied: itsdangerous==2.1.2 in c:\python312\lib\site-packages (from Flask==3.0.3->-r requirements.txt (line 1)) (2.2.0)
Requirement already satisfied: click==8.1.3 in c:\python312\lib\site-packages (from Flask==3.0.3->-r requirements.txt (line 1)) (8.1.7)
Requirement already satisfied: blinker==1.6.2 in c:\python312\lib\site-packages (from Flask==3.0.3->-r requirements.txt (line 1)) (1.8.2)
Requirement already satisfied: numpy==1.26.0 in c:\users\22001326\appdata\roaming\python\python312\site-packages (from pandas==2.2.2->-r requirements.txt (line 2)) (1.26.4)
Requirement already satisfied: python-dateutil==2.8.2 in c:\users\22001326\appdata\roaming\python\python312\site-packages (from pandas==2.2.2->-r requirements.txt (line 2)) (2.9.0.post0)
Requirement already satisfied: pytz==2020.1 in c:\users\22001326\appdata\roaming\python\python312\site-packages (from pandas==2.2.2->-r requirements.txt (line 2)) (2024.1)
Requirement already satisfied: tzdata==2022.7 in c:\users\22001326\appdata\roaming\python\python312\site-packages (from pandas==2.2.2->-r requirements.txt (line 2)) (2024.1)
Requirement already satisfied: charset-normalizer<4,>=2 in c:\users\22001326\appdata\roaming\python\python312\site-packages (from Requests==2.32.3->-r requirements.txt (line 3)) (3.3.2)
Requirement already satisfied: idna<4,>=2.5 in c:\python312\lib\site-packages (from Requests==2.32.3->-r requirements.txt (line 3)) (3.8)
Requirement already satisfied: urllib3<3,>=1.21.1 in c:\python312\lib\site-packages (from Requests==2.32.3->-r requirements.txt (line 3)) (2.2.1)
Requirement already satisfied: certifi==2017.4.17 in c:\users\22001326\appdata\roaming\python\python312\site-packages (from Requests==2.32.3->-r requirements.txt (line 3)) (2023.7.22)
Requirement already satisfied: colorama in c:\python312\lib\site-packages (from click==8.1.3->Flask==3.0.3->-r requirements.txt (line 1)) (0.4.6)
Requirement already satisfied: MarkupSafe==2.0 in c:\python312\lib\site-packages (from Jinja2==3.1.2->Flask==3.0.3->-r requirements.txt (line 1)) (2.1.5)
Requirement already satisfied: six>=1.5 in c:\python312\lib\site-packages (from python-dateutil==2.8.2->pandas==2.2.2->-r requirements.txt (line 2)) (1.16.0)

[notice] A new release of pip is available: 24.0 -> 24.2
[notice] To update, run: python.exe -m pip install --upgrade pip

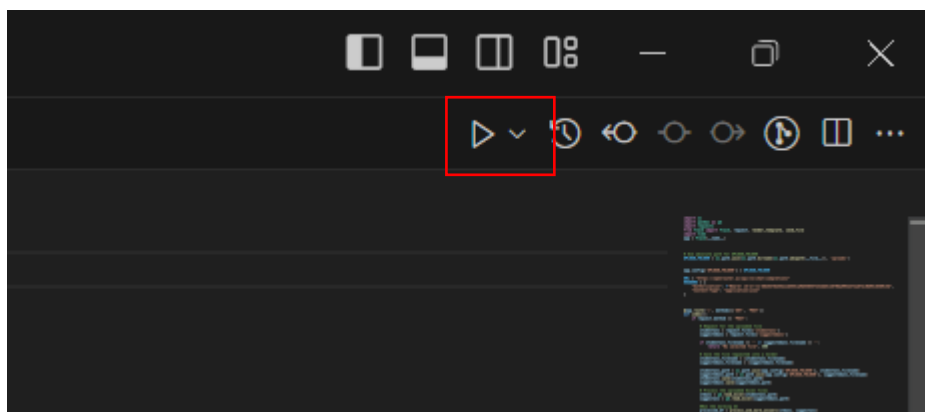
C:\internship\SQL_Grading>
```

Running the application

Step 9: Select the “MarkingAI.py”



Press the run icon on the top right of the screen

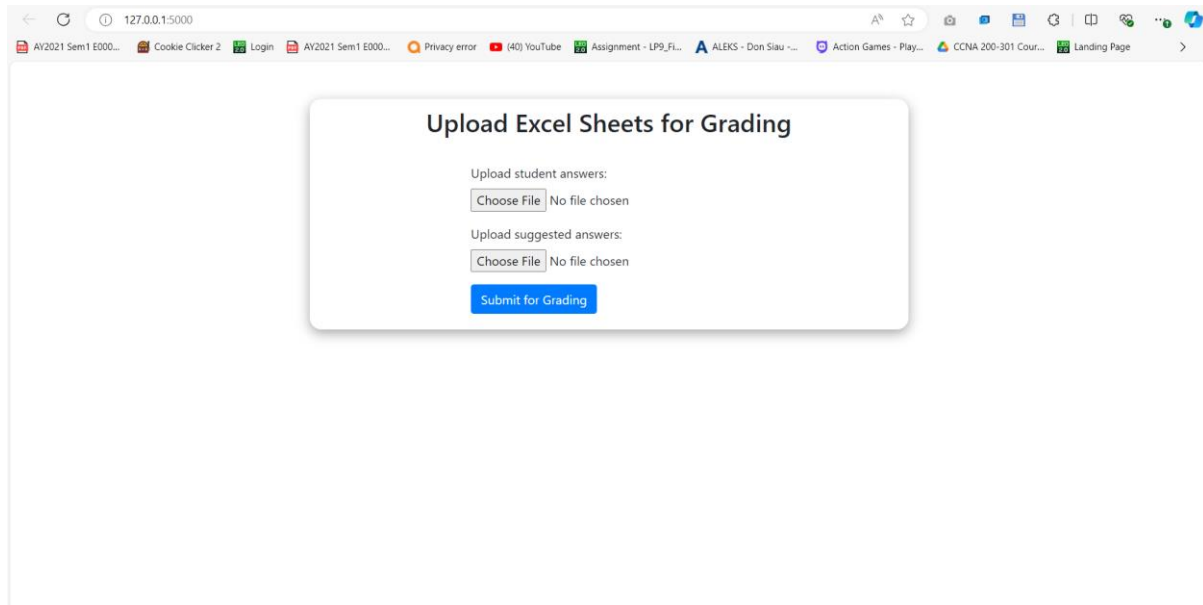


Step 10: On the bottom of the screen in the this should run on the terminal. Hold the ctrl key whilst you click the link highlighted in the red box. (the address of the link might be different on your end, but it should still work)

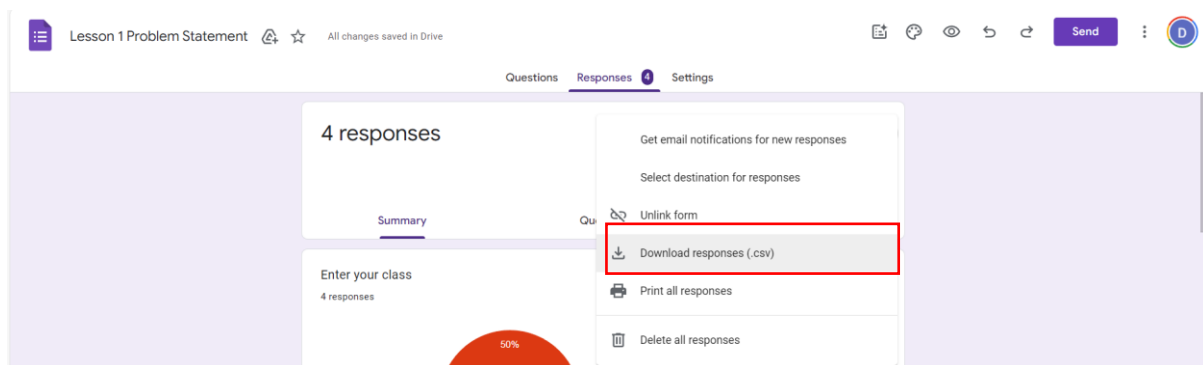
```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS
Microsoft Windows [Version 10.0.22631.4037]
(c) Microsoft Corporation. All rights reserved.

C:\internship\SQL_Grading>C:/Python312/python.exe c:/internship/SQL_Grading/MarkingAI.py
* Serving Flask app 'MarkingAI'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on all addresses (0.0.0.0)
* Running on http://127.0.0.1:5000
* Running on http://10.175.21.175:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 122-589-219
```

On your browser the application will appear



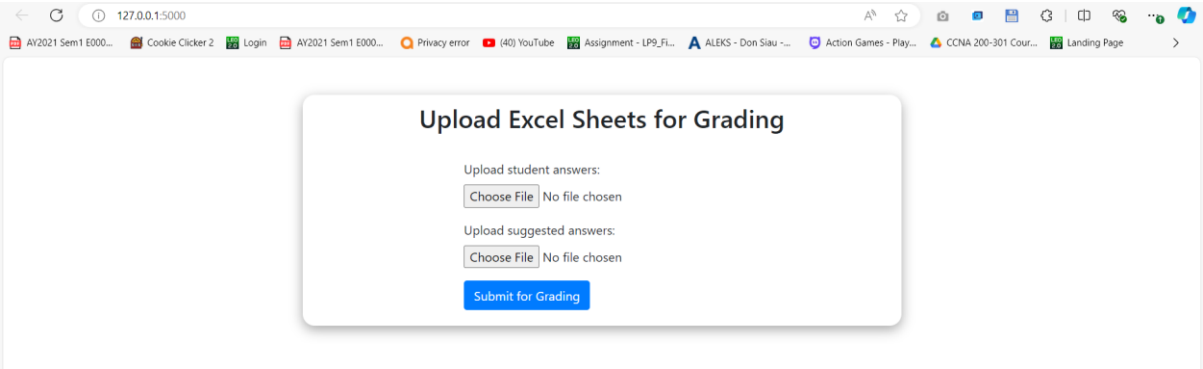
Step 11: There should be a Google form acting as a quiz, and a suggested answer excel sheet. Export the results of the Google form as a csv



And find the Suggest answer excel file that corresponds with the correct exported csv

Example: find Lesson 1 problem statement.csv and suggestL1.xlsx for the lesson 1 quiz,
Lesson 3 problem statement.csv and suggestL3.xlsx for the lesson 3 quiz,

- Step 12: Upload according to what the website states (The exported csv file from the google form for “upload student answers”, and the xlsx file of suggested answers for “upload suggested answers” and click on “Submit for grading”).
- Step 13: Wait for the AI to run and once it is done your internet explorer will download a marked excel version of the student’s answers. (May take a while to load).



- Step 13: download it and view it. 2 marks means correct answer, 1 mark partially correct, 0 marks the answer is blanked. The right side is the student Info and their answ

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Timestamp	Class	ID	Q1)	Q2)	Q3)	Q4)	Q5)	marked->	Q1)_Mark	Q2)_Mark	Q3)_Mark	Q4)_Mark	Q5)_Mark	total_marks
2	2024/09/1 Option 1		22001324							0	0	0	0	0	0
3	2024/09/1 Option 2		22003283	SELECT DI	SELECT B.i	SELECT DI	SELECT S.s	SELECT S.school_nam		1	1	2	1	1	6
4	2024/09/1 Option 1		22001382	SELECT DI	SELECT B.i	SELECT DISTINCT C.n	SELECT S.school_nam			2	2	2	0	2	8