Grader Handbook

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No. ⬍	Name
1	**01_pandas_01_2025s1**
stat	01_pandas_01_2025s1
edit	📄 Read | 🔽 File

2. Download the attachment here

1. Read the instruction here

Open the VScode

Code | File | Edit | Selection | View | Go | Run | Terminal

New Text File   ⌘ N
New File...   ⌃ ⌥ ⌘ N
New Window   ⇧ ⌘ N
New Window with Profile   >

Open...   ⌘ O
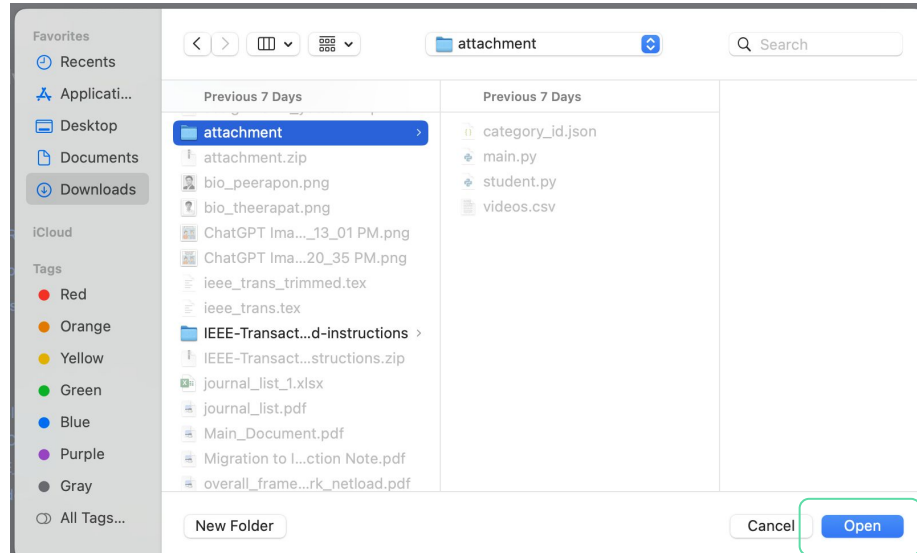Open Folder...
Open Workspace from File...
Open Recent   >
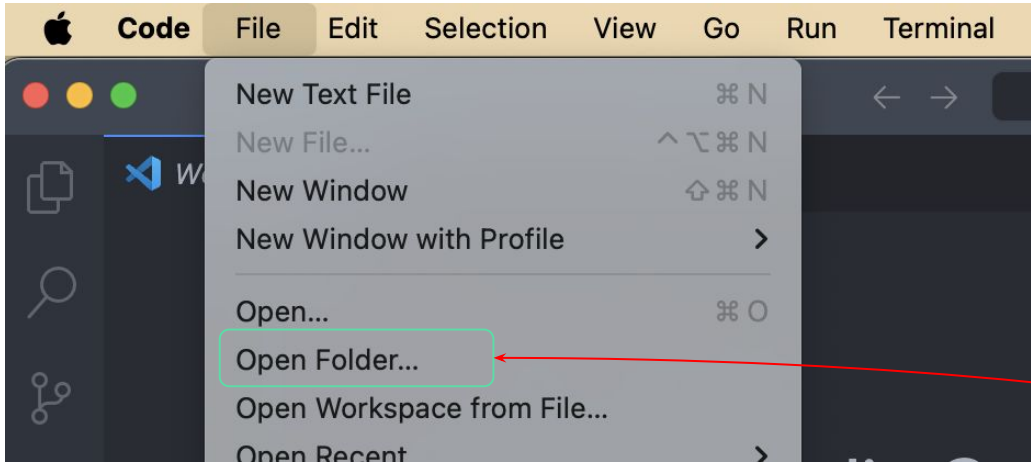
3. In VSCode -> Click 'File' ->
Then select 'Open Folder'

Open the downloaded attachment folder

4. Select the downloaded folder then click 'Open'

RUN THE PROGRAM

5. Activate your created conda env

6. Run the program with `python main.py`

```
(dsde) theerapatkangsilalai@Super-computer attachment % python main.py
Q1
None
```

7. The program will wait for the input string, type "Q1" then "Enter"

8. The program will return the output here

```
main.py 1        student.py 1 ×

student.py > Q1
1    import pandas as pd
2    import json
3
4    """
5        ASSIGNMENT 1 (STUDENT VERSION):
6        Using pandas to explore youtube trending data from (videos.csv and category_id.json) and answer the questions.
7    """
8
9    def Q1():
10       """
11           1. How many rows are there in the videos.csv after removing duplications?
12           - To access 'videos.csv', use the path '/data/videos.csv'.
13       """
14       # TODO: Paste your code here
15       return None
16
```

MAIN.PY

1. main.py import your solution function from student.py

```python
import    (module) student
from student import *


def main():
    input_string = input().strip()
    df = pd.read_csv('./scores.csv')
    input_command = f"{input_string}(df)"
    print(f"{eval(input_command)}")



if __name__ == "__main__":
    main()
```

2. when run, main.py will waited for the input string until you enter it.

3. The input string will be used to call your solution function from student.py. For example, if the input = Q1, it will call the function Q1 in student.py

STUDENT.PY

```python
import pandas as pd
import json

def Q1(df):
    """

    1. For Q1, please return the shape of the data
    """

    # TODO: Paste your code here
    return df.shape
```

PROBLEMS 1   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
(dsde) theerapatkangsilalai@Super-computer attachment % python main.py
Q1
(50, 2)
(dsde) theerapatkangsilalai@Super-computer attachment %
```

In each solution function in **student.py**, modify the code to return the correct answer. Then, when you run python **main.py** and enter the input string "Q1", the returned output will be printed here.

Input string & Expected outputs

In the statement PDF, the corresponding input strings and expected outputs are listed so you can test the program locally.

Expected Results

Input	Output
Q1	(50, 2)
Q2	99
Q3	8
Q4	No Output

Submit the grader solution

To submit your solution, simply click the big green button on the right side of each Grader problem. Then, copy/paste or upload your **student.py** file there.

The **"Latest Submission Status"** will display the result of your submission for each question.

✅ **P** means Pass — your solution is correct.

❌ Any other letter indicates there is an issue with your code.