Assignment 5

SUBMIT original code in Python to solve the problem below.

Please be aware that copying and pasting code from any other source other than code you have explicitly written on your own is considered plagiarism. If you receive help, that is fine (document help in the comments of your code) however you need to write your own code, name your own variables, and comment your own code. <u>Students turning in the exact same work as another student will all be given zeros.</u> Plagiarism is not tolerated, and students found to be plagiarizing will be given a zero and reported to the University with the possibility of termination of the class and degree program.

For this assignment you will write a Python program to create and interact with a database. You are given a file containing temperature readings for each day of the week. Using the SQLite connector, your program should perform the following steps:

1. Create a SQLite database

2. Create a table with the following fields:

    a. ID – primary key

    b. Day_Of_Week – String

    c. Temperature_Value – float

3. Read the input file and insert each piece of data into your database table

4. Execute the SQL commands to compute the average temperature for Sunday and Thursday, and print the results to the console.

REMEMBER
- Include the comment heading at the top of your code.
    - # Program Name: Assignment5.py (use the name the program is saved as)
    - # Course: IT3883/Section XXX
    - # Student Name: John Doe
    - # Assignment Number: Lab#
    - # Due Date: xx/xx/ 20XX
    - # Purpose: What does the program do (in a few sentences)?
    - # List Specific resources used to complete the assignment.

- Place comments within your code explaining the programming segments
- Submit the .py file and a screen shot of the output via Github.