CPE Technical Training Project

In order to better understand technical writing, you will need to follow the directions within the email to create your final project. This email is located at the bottom of this document. Find a group of 2-3 teammates. Your group will use the knowledge from the lectures to set up Microsoft Visual Studio Code and Live Share. You will work with your teammates synchronously in order to follow the task provided within the email. Once the task has been successfully completed, your group will send an email to dkrasow@clemson.edu. You will use your email communication skills learned in earlier lectures to write a professional email. Keep in mind that the recipient of this email is **NOT** a computer engineer. This means that the individual you are emailing needs a detailed explanation of the function and the purpose of the program. This same individual will be reading the code you provide him. This means that detailed proper commenting is necessary for the project. The due date for the project is at the end of week 3. The final turn in is the email sent to dkrasow@clemson.edu by the team leader chosen.

Here is the project rubric:

Commenting	30%
Email Sent	40%
Following Instructions	25%
No Errors/Warnings	5%

Email:

Bridge Traffic Calculator Software

CPETRAINEE@technicalcomptraining.xyz

Bridge Traffic Calculator Software

CPE Technical Training Trainee,

We are constructing a new bridge across Lake Keowee. We need software that can adequately calculate a number of measurements.
This file has to be a singular C file that runs without any warnings or errors!
There are a few functions that we need to implement:
1. Firstly, the amount of cars within the area is directly proportional to the amount of restaurants. There are X number of restaurants in the five mile radius of Lake Keowee.
This means that there are X number of cars traveling each minute across the bridge. Find the total amount of cars travelling across the bridge in a given day.
2. The average weight of a vehicle is 2000lbs. Find the total amount of weight being held up by the bridge within any given second.
3. The bridge can hold up to 40000 lbs within any given time. Use this function to check if the amount of cars can be held by the bridge at the given time.
4. Lastly, the bridge has to be repaired every 3000000 vehicles. Print the amount of days until repairment is needed.

Each function requires usage of the previous function to occur. The outputs depend on each other's implementation.
Send the code to dkrasow@clemson.edu. Make sure to explain the purpose and functionality of the code.
Please email me if you have any issues or questions.

Thanks,
George BridgeBuilder
Civil Engineer