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/*
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Course: CSCI-135
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Assignment: HW8.3
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This program reads a file and then takes the average
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#include <iostream>
#include <string>
#include <fstream>
using namespace std;

int main() {

    string file_name = "";

    while (file_name == "") {
        cout << "Please input the filename: ";
        //cin >> file_name;
        getline(cin, file_name);
    }

    cout << endl;

    ifstream file;
    file.open(file_name);

    string buffer = "";

    int counter = 0;
    double sum = 0;

    while(getline(file, buffer)) {
        counter++;
        sum += stod(buffer);
    }

    double average = sum / counter;

    cout << "The average is: " << average << endl;

    return 0;
}
```