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//CS1, Section #0109

//Assignment #3, Problem 3

//Looking for problem in the programs given. All problems found will be commented. Re-wrote code included to show what I would add, remove, or rearrange them. Codes in red are original problem code that included with my comments to show problems I spotted. Codes in green are re-write code that I would prefer the program to be written to look like.

#include <iostream>

using namespace std;

int main() {

int numCount, total;

double average;

cout << "How many numbers do you want to average?"; // Add a space after “?”, more aesthetically pleasing

cin >> numCount;

for (int count = 0; count < numCount; count++) {

int num;

cout << "Enter a number:";

cin >> num;

total += num; //total have to be initialized before "num" can be added to "total" itself

count++; // double "count++" here, we already have one in the for(). This will make the loop do only half the iteration intended

}

average = total / numCount; //Although "average" is double, both "total" and "numCount" are integer. Hence, the value evaluate will be integer and could potentially be inaccurate. Suggest casting either "total" or "numCount" to double so the whole equation can level up to double

cout << "The average is << average << endl"; // The quotation should end after the "is ". Also add a space after "is", make it nicer to look

return 0;

}

int main() {

int numCount, total=0;

double average;

cout << "How many numbers do you want to average? ";

cin >> numCount;

for (int count = 0; count < numCount; count++) {

int num;

cout << "Enter a number: ";

cin >> num;

total += num;

}

average = static\_cast<double>(total) / numCount;

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

return 0;

}