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//CS1, Section #0109

//Assignment #3, Problem 4

//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 on what is wrong. Codes in green are my re-write codes that show what I would prefer the program to be written to look like.

#include <iostream>

using namespace std;

int main()

{

int count = 1, total; // total have to be initialized before being use in line 15 to add "count" into "total" itself.

while (count <= 100)

{

total += count; // No way for count to go up. This would mean "count" will always smaller than 100, which end up in the loop continue forever.

}

cout << "The sum of the numbers 1 - 100 is ";

cout << total << endl;

return 0;

}

#include <iostream>

using namespace std;

int main()

{

int count = 1, total=0;

while (count <= 100)

{

total += count;

count++;

}

cout << "The sum of the numbers 1 - 100 is ";

cout << total << endl;

return 0;

}