University of Wyoming
COSC 1030
Computer Science I

Program 01
Interact with the User

1   Purpose

Your task is to write a C++ program which gets some input from the user, adds the values, and outputs the simple sum.

2   Procedure

1. Your program should prompt the user for four **integers**.

2. It should read the four values, for example c, d, e, and f. then compute the sum, $c+d+e+f$. Remember that the variables should not normally be single letters.

3. The program then displays the result, something like

   The sum of 4, -34, 9, and 14 is -7

4. You may assume that the user is skilled enough that only numeric values, no decimal points or commas or other strange punctuation will be entered.

5. Upload your solution to the WyoCourses site, Program 01 assignment.

   (a) The above instructions **will not** work for this assignment, as WyoCourses is **not** currently setup for the course. Hopefully, it will be available for the next assignment and this will be the normal submission process.

   (b) **FOR THIS ASSIGNMENT**, please e-mail the submission to pgyreyir@uwyo.edu with a Subject line of
   COSC-1030 Prog01 Submission

   (c) Be sure to attach your solution files to the e-mail.

   (d) Your solution should consist of precisely three files (NOTE: no .exe file!!!!).

   (e) <u>Use</u> the comment header format that was given out in Lab01 at the top of ALL your files, clearly identifying you and the course, the assignment and date.

      i. A text (.txt) file which contains a pseudocode plan of your program. This needs to be done BEFORE you start programming. Name this file **Prog01Pcode.txt**.

      ii. A single C++ source code file (.cpp), **Prog01.cpp**.

      iii. A text (.txt) file which contains demonstration dialog of your program's behavior. Named this file **Prog01Test.txt**.

         You will need to copy and paste from the command prompt for this part of the assignment.

Insert comments in this file if necessary about why the result might have varied from the expected, if they did vary. Otherwise, it should give a demonstration of your OWN test cases and results. That means if you same sets of numbers we will assume that you copied this, which is academic dishonesty. An example of the Prog01Test file for this programming assignment could be:

```
// Prog01Test.txt
// Kim Buckner
// COSC 1030 Fa 2022 Lab Section 1?
// Programming Assignment 01
// Aug 12, 2022

V:\TMP\Prog01\Debug> Prog01
Enter four integers (separated by white space),
The sum of 1, 2, 3, and 4 is 10

V:\TMP\Prog01\Debug> Prog01
Enter four integers (separated by white space),
The sum of 4, -34, 9, and 14 is -7

V:\TMP\Prog01\Debug> Prog01
Enter four integers (separated by white space),
The sum of 1, 1, 1, and 1 is 4

V:\TMP\Prog01\Debug> Prog01
Enter four integers (separated by white space),
The sum of -1, -1, -1, and -1 is -4
```