CS1428 Lab 7

# Name: Section:

1. (15pts) Write the standard output of the following code snippets.
2. for (int num = 1; num <= 3; ++num)

cout << num << “ \t\t ” << (num \* num) << endl;

1. int k = 10;

for (int i = -2; i < 3; i += 2)

{

cout << i + k << endl;

k = 1;

}

1. int count = 45;

for (int count = 0; count < 5; count++)

cout << “count is ” << count << endl;

cout << “count is ” << count << endl;

1. (40pts) Running on a particular treadmill you burn 3.9 calories per minute. Write a program (**lab7\_01.cpp**) that uses a loop to display the number of calories burned after 10, 15, 20, 25, and 30 minutes. Your output should be written to a file named ***Calories.txt*** and should be in a tabular form as shown in the example below:

**Output to the screen** should read ***“Please, view the Calories.txt file.”***

**Output to the Output file - Calories.txt** should be as shown below

Minutes Number of Calories burned

10 39

1. (45pts) Write a program (**lab7\_02.cpp**) that asks the user for a positive integer value. **Do not accept a negative starting number**. The program should use a loop to get the sum of all the integers from 0 up to the number entered. For example, if the user enters 50, the loop will find the sum of 0, 1, 2, 3, 4,…,50. Output the sum to the file, **lab7\_2out.txt.** Print or upload your source code.

Output to the Output File - **lab7\_2out.txt** should be as shown below:

* You entered the number x (*where x specifies the number the user entered*)
* The sum of the numbers from 0 to x is y (*where y specifies the sum of the numbers*)

***Note:***

* Staple a copy of your source files (**lab7\_01.cpp and lab7\_02.cpp)** to this worksheet and **upload** your source files.