CS 211 Introduction to Programming
Fall 2019

Programming Assignment 4
(Assigned: September 12, 2019; Due: September 19, 2019)

The goal of this assignment is to write a program that (a) handles numeric values of type **`int`***, and (b) combines branching and iteration in the right way to accomplish a desired task.*

Write a C++ program that prompts the user to enter two positive integer values, and outputs the Least Common Multiple (LCM) of those values. Your program should verify that the input values are, in fact, positive. The LCM of those values is the *smallest* integer that is a multiple of both of those values.

Notes:

- The name of your source file ***must*** be: `pa4.cpp`
- The user can enter only two ***positive*** integers. The program should repeatedly ask for input until the entered values are positive (as shown in the sample run below).
- A typical sample run of your program should look like (output `blue`, input `red`) :

```
Please enter two positive integer values.
First value: 6
Second value: -3
Incorrect input.

Please enter two positive integer values.
First value: 10
Second value: 0
Incorrect input.

Please enter two positive integer values.
First value: 12
Second value: 30
The LCM of 12 and 30 is 60.
```

Assignment Submission Instructions:

Submit just your `pa4.cpp` file via Blackboard. Please do not submit any other file contained in your Visual Studio 2019 project for this assignment.

Grading Rubric:

Your program submission will be graded according to the following rubric:

The name of the submitted program source file is `pa4.cpp` (*not* `pa4.c` or `Pa4.cpp` or `PA4.cpp` etc.)	1
The first two lines (student's name, and student's WSU ID) of the required comments at the top of the program are included	1
The variable identifier names used are descriptive	1
A good indentation scheme is used throughout the program	1
The program compiles and links with no errors or warnings	4
The program works correctly at least one input value is not +ive	2
The program works correctly when both input values are +ive	5
TOTAL	**15**