COSC 251 – Lab #1
C is for Catastrophe

Purpose: Work with C (not C++!) to do some simple exercises with functions and recursion.

Task: Utilizing your IDE of choice, create a simple program that will contain two unrelated functions and a main function that should drive the program. This can be done in a single .c file.

The first function is to create a simple add3Integers function, with three integer parameters. Calculate the sum of those 3 integers and return the result.

The second function is your old friend factorial (again). Code a recursive factorial function using C. You are not allowed to do any printing within the function.

Your main function should simply have a menu that asks the user to process one or the other function. For the add3Integers function, ask the user for the three numbers, then call the function and print the result. For factorial, the main should be where you ask the user for what value they want then print out the result.

You may work in pairs for this lab.

Deliverable: the c file that contains your source. It should be well commented.

Deductions (beyond incorrect calculations):
-2 non-recursive factorial function
-1 print in the factorial function
-1 lack of comments
-2 missing input from user

Due: By 11:59 pm Tuesday. To be turned in via Blackboard.