**Lab 4**

15 pts

Create a program that will do one of two functions using a menu, like so:

            1. Do Catalan numbers

            2. Do Fibonacci numbers (recursive)

            0. Quit

            Enter selection: **1**

            Enter Catalan number to calculate: **3**

            Catalan number at 3 is 5

            1. Do Catalan numbers

            2. Do Fibonacci numbers (recursive)

            0. Quit

            Enter selection: **2**

            Enter Fibonacci number to calculate: **6**

            Fibonacci number 6 is 8

Create a function of catalan that will take a parameter and return the Catalan number. Also create a function of Fibonacci that will take a parameter, calculate using recursion the Fibonacci number and return the number.

Main will have a do/while loop that will print the menu, enter the selection, and call the functions. Have it quit on 0.