# Assignment 1

logicprob.cpp    -- 5 pts.
runprob.cpp    -- 5 pts.
circlearea.cpp    -- 10 pts.
stringchar.cpp    -- 10 pts.
Restaurant Bill    -- 30 pts.

TOTAL: 60 pts.

Find programs logicprob.cpp, runprob.cpp, circlearea.cpp, stringchar.cpp in the folder next to this assignment.
IMPORTANT: Create a new project for each of the 4 source code files provided.

## *Part 1*

## logicprob.cpp Program

This program has a logical error. Your goal is to fix it.

## runprob.cpp Program

This program has a run time error. You need to fix the bug.

## *Part 2*

## circlearea.cpp Program

This program will help you practice with variable declarations, calculations and output.

## stringchar.cpp Program

This program will help you practice with assignment operator, use of string and character variables.

## Restaurant Bill

Write a program that computes the tax and tip on a restaurant bill for a patron with a $44.50 meal charge. The tax should be 6.75 % of the meal cost. The tip should be 15% of the total after adding tax. Display the meal cost, tax amount, tip amount, and total bill on the screen.
*Optional extra challenge*: Prompt user to enter the bill amount. Make your program

work for any amount entered.

**Please note:**

When submitting the assignment please submit ONLY .cpp and .exe files, NOT the entire project.