In this assignment you will implement a program called **"call_cost_calculator.cpp"** that calculates the net cost of a call **(net_cost),** the tax on a call **(call_tax)** and the total cost of the call **(total_cost).** The program should accept **a cell phone number (cell_num),** **the number of relay stations(relays),** and **the length in minutes of the cal (call_length) from a user.** Please consider the following

1) The **tax rate (in percent) on a call (call_rate)** is simply based on the number of **relay stations (relays)** used to make the call ($0 \leq$ **relays** ≤ 5 then **tax_rate** = 1% ; $6 \leq$ **relays** ≤ 11 then **tax_rate** = 3%; $12 \leq$ **relays** ≤ 20 then **tax_rate** = 5%; $21 \leq$ **relays** ≤ 50 then **tax_rate** = 8%; **relays** > 50 then **tax_rate** = 12%) .

2) The **net cost of a call** is calculated by the following formula: **net_cost = (relays / 50.0 * 0.40 * call_length).**

3) The tax on a call is calculated by the following formula: **call_tax = net_cost * tax_rate / 100** *(drop /100 if you converted the*

rate from a percentage)

4). The total cost of a call (rounded to the nearest hundredth) is calculated by the following formula: **total_cost = net_cost + call_tax . All tax and cost calculations** should be rounded to the nearest hundredths. Use the following format information to print the variables:

Field	Format
Cell Phone	XXXXXXXXXX
Number of Relay Stations	XXXXXX
Minutes Used	XXXXXX
Net Cost	XXXXXXX.XX
Call Tax	XXXXX.XX
Total Cost of Call	XXXXXXX.XX

Handing in your program

Electronically submit **"call_cost_calculator.cpp"** in the Assignments area of Blackboard before the due date and time. Remember, complete the assignment not matter if it is late. It is very important that you do all assignments to master the C++ programming language.