COP3275 Computer Programming Using C   Print Your Name _____

August 30, 2017 Quiz #1

Total Score _____   The quiz is worth 50 points and it has four problems.

Instructions

When completing this quiz, you are allowed to use any material on the course website, CLion, Eclipse, Visual Studio, a simple text editor (such as Notepad on Windows or TextEdit on Mac). You are not allowed to open nor use any pre-existing files you created, email accounts, chat programs, cell phones or electronic devices other than your computer.

Create and submit a single file **q1.c** in e-Learning (Canvas). Within this file, place each problem and answer inside a comment block, with the exception of Problem #4. Problem #4 is a complete main function that can be compiled. At the top of your file in a comment block, include: your name, the quiz number, and the date.

1. [12 pts] The following code fragment does not work properly. Fix the error(s) so that the code given here will compile and work correctly. Do not add any methods or properties.

```
#include <stdio>

main() {
  int myScore = 10;
  myUpdate = 5

  myScore = myScore + myUpdate;

  printf( My Score was:  %d\n, myScore );
  printf( My Score is:     \n, myScore );
}
```

2. [12 pts] Fill in the Truth Table for the Logical OR (||) operator.

A	B	A || B

3. [12 pts] You would like to create software to manage a person's taxes. Given the following details, propose and declare variables that you would find useful when implementing this program.
   - The tax year will be 2012 or any year after.
   - The tax rate will be: 0.05, 0.10, or 0.15.
   - The yearly income will be recorded.
   - The tax owed will be calculated by multiplying the yearly income by the tax rate.

4. [14 pts] Implement the C code within the main function that will print to the screen the Truth Table for the Logical AND (&&) operator.