COP3275 Computer Programming Using C   Print Your Name _____

September 8, 2017 Quiz #2 (amended to September 17 re: Hurricane Irma)

Total Score _____   The quiz is worth 50 points and it has nine 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), and a terminal or command window. You are not allowed to open nor use any pre-existing files you created, websites other than our course website, email accounts, chat programs, cell phones or electronic devices other than your computer.

Create and submit a single file **q2.c** in e-Learning (Canvas). Note, no problem asks you to create a complete C program, therefore place each problem and answer inside a comment block. At the top of your file in a comment block, include: your name, the quiz number, and the date. Submit your solution by 11:59 PM (23:59) on Sunday, September 17, 2017.

1. [4 pts] Given a C program contained in the file Quiz.c, show how to compile the program at the command prompt using either of the two methods discussed in lecture.

2. [2 pts] Show how to run (execute) the program you compiled in the previous problem.

3. [2 pts] What is the name of the file created by the compilation performed in Problem #1?

4. [6 pts] Declare and initialize a variable of the types *char*, *float*, and *int* using a different variable name than those shown in our examples.

5. [6 pts] Using a single print statement, print to the screen on separate lines each of the variables declared in the previous problem.

6. [8 pts] Create two print statements (one for each of the two lines) that will display this table formatted in the manner shown.

```
    Flight          Departure       Time    Arrival         Time
    DELTA120        GNV             6:30    ATL             7:20
```

7. [2 pts] What is the function we create and include in every C program? Fill in the blank with the function declaration.

```
_____  {  // ← fill in blank

    // Here's where the code within the function would be placed…

}
```

8. [10 pts] Fill in the truth table given here.

A	B	C	A && (B || C)

9. [10 pts] Your favorite Gainesville eatery is in danger of going out of business. Their management has contacted you and requested you help them out by creating software to assist them in the management of the establishment. Given the following details, propose and declare variables that you would find useful when implementing this program. Also, based upon your knowledge of this establishment, include variables for details not given here.
    * The eatery has a name.
    * The eatery a yearly and daily profit.
    * The eatery logo contains the year it was established.