Name: _____ Date of demonstration: _____ Marks earned: /5

LAB 8 (Due by 10 AM on November 18)

Maximum Points: 5, Weight: 5%

To complete the lab, please follow the instructions below. Not following these instructions may result in deduction of marks.

1. To receive any credit, you need to:
    a. Demonstrate your work during the week 12 lab; Please print this handout, write your name and date of demonstration, and bring the printout with you for demonstration;
    b. Upload your work to eConestoga as instructed in step 2 by the deadline.

2. Once you complete this lab, add weekly status report to the Visual Studio solution folder. Compress the entire solution folder to create a file with ".zip" extension. Upload the "zip" file to the appropriate assignment folder on eConestoga. You will not receive any credit if you fail to upload this file, even if you have finished and demonstrated your work. No credit is awarded without demonstration.

3. At the top of each C file, add your name and date of program creation.

4. Any variables or functions you create must be named following "camelCase" notation. Variables must be initialized before use. In case of multiple variables, define only one variable per line.

5. Write a program to process orders at a coffee shop. Customers can order tea and/or coffee. A cup of tea costs $2.5 and a cup of coffee costs $1.5. Customers can order multiple cups. For each order, your program needs to keep track of the following information: Customer name, number of tea cups ordered, number of coffee cups ordered, and total cost. When calculating total cost, please include a tax of 13%. Your program needs to print a receipt to the console window with the above information. You must use a structure to represent an order. You must use a function that accepts a pointer to the structure as a parameter to calculate total cost.

    Please be prepared to answer any questions during the demo. You are expected to correctly understand your programs. Any lack of understanding may result in deduction of points.