**Homework02 ECE 2310**

1. Write a C# Console application that reads a five-digit integer, separates the integer into ints digits and prints them separated by three spaces each. For example, if the user types in 29566, the program should display :

2 9 5 6 6

2. Design a C# Windows Forms Application that simulates a simple calculator, which reads two numbers and displays the sum, difference, product and average of the two numbers when a specific button is clicked. There should be 6 buttons : "Add", "Subtract", "Multiply", "Average", "Clear", and "Exit".

For example, if the user enters 3.5 and -2 , and clicks the "Add" button, the following message should be displayed in a textbox or a label :

3.5 + (-2) = 1.5