**PROG1781 – Programming Concepts**

**Assignment 1**

**[Maximum points: 25]**

**Part 1:**

~~You are to create a series of flowcharts. These flowcharts should be done in any software that allows for the drawing of a flowchart. Clearly label each flowchart and follow the standards for flowcharts presented from your class. There is more than one way to solve most problems~~. ~~Therefore there is no one correct flowchart for each of the three problems presented below. Marks will be deducted when you do not solve a request in the question, or if something does not logically make sense for your particular algorithm.~~

* 1. ~~Draw a flowchart to input a numeric number between 1 – 10 to guess a secret number, If the number matches then display a Message “Matched” otherwise “Not MatchAed , guess again”. [4 points]~~
  2. ~~Draw a flowchart to input a word, and display the number of characters in the word~~. ~~If its length is more then 10 characters,~~ ~~ask the user to enter another word. If the word <= to 10 characters. Display the number of characters the word is(has?).~~
  3. ~~Draw a flowchart for trying to generate a calculator~~ ~~that takes 2 numeric numbers~~ ~~and either add/subtracts/multiply or divide.~~

1. ~~Create a C# console application that inputs a temperature in Celsius and output in Fahrenheit.~~
   1. ~~Your application will display the following when the application is started.~~
   2. ~~Display (display) a title "Your Name Assignment 1 Part 2",~~ ~~display what was entered in Cliius,~~ ~~display the output in Fahrenheit~~, ~~display your programming experience (Low, Moderate, or High).~~ ~~Finally display what country you are working from.~~
2. ~~Note: 0.25 points will be deducted for any standards.~~ *~~Make sure that the program can run as an exe.~~*
   1. *~~i.e (Console.ReadLine();)~~*

*~~For example:~~*

~~A Student - Assignment 1 Part 2~~

~~Name: A Real Student~~

~~Email: rstudent@conestogac.on.ca~~

~~The Celius temp of 30 degrees converts to in Fahrenheit.~~

~~Experience: No previous programming experience.~~

~~Country: Canada~~

Submitting the assignment is as follows:

1. **Upload**
   1. ~~A single compressed (.zip format) archive file containing the folder of your program submitted to eConestoga.~~
   2. ~~All of the flowcharts in another zip.~~
2. **Demonstration of program in class**: Please have your program running on your desktop when you are ready to demonstrate your work and all hard copies of program ready to be signed. TBA