This assignment is to be done individually. The only person you can get help from is the instructor.

You will be creating a C# Console App .Net Framework program.

Let θ represent an angle in radians (don't worry about converting the radians to degrees).

In addition to the Main() function, there will be 3 other functions. f , g , and Display. f takes in a value of θ and returns $\sin(2*\theta)$. g takes in a value of θ and returns log θ. Both f and g are non static.

Display is a static method. It will print the value of sin(2* θ),and log θ in tabular form.

Program.cs contains the Main method which puts the program together.

In the Main, your program will determine the values of θ to perform the calculations on. To do this, prompt the user for a low value of θ (this will the first θ to perform a calculation on) and an upper value of theta (this will be the last θ to perform a calculation on). You will then ask the user for the number of equally spaced values of θ values you would like to perform calculations on.

For instance, if the lower value of θ is -5 and the upper value of θ is 5 and the user wants 100 equally spaced values of θ, the θ values to perform calculations are :
-5,-4.9,-4.8, -4.7 ….0…. 4.7,4.8, 4.9,5

The output should be in 3 columns (tabular form) . One column depicts the value of θ, another Sin 2θ and the final column log θ.

Your program must also let the user use the program till they want to leave it.
Your code must be zipped up and demoed by Feb 12 , 7pm.

Do not wait till the last minute to demo your assignment. Imagine all 35 of my students wanting to demo at 6:30pm on Feb 12. There is no way I will be able to see all of you. You will get a 0 on such a simple assignment if you don't demo by 7pm on Feb 12. I will start seeing student demos next class. Please book an appointment via email (Official Sheridan email)

I would imagine most students will finish this assignment in 1 hour.

Any announcements made about the assignment are binding on the assignment