Lab Assignment 1

For this lab you are to write 3 C programs.

Program 1a.
This program should print your name and your UIN to the standard output. (The standard output is your terminal window.). For example, if your name is John Doe and your UIN is 123456789, then your program should print the following message on the standard output:

```
My name is John Doe. My UIN is 123456789.
```

(Hint: You need to use printf() function)

Program 1b.
This program should find the minimum and maximum of three integers. Your program should prompt the user to enter the three integers from the key board and then print the maximum and the minimum of those three integers. A sample output is given below:

```
Enter the first integer: 198
Enter the second integer: 50
Enter the third integer: 2038
The minimum is 50
The maximum is 2038
```

(Hint: You need to use scanf() function to get the input from keyboard and printf() function to print messages to the output)

Program 1c.
This program should find the sum and average of **n** numbers (can be integers or floating point values). Your program should prompt the user to enter a value for **n** and then prompt the user to enter n numbers and print their sum and average to the standard output. A sample output is given below:

```
Enter the number of values (n): 3
Enter a number: 1.0
Enter a number: 2
Enter a number: 3.0
The sum is 6.0
The average is 2.0
```

(Hint: You need to use printf() and scanf() functions and also use a loop)

Program Submission
You are to submit the programs via the Assignments tab in blackboard. You should create a zip file with the three programs and then submit the zip file on blackboard. You should name your files with your net-id and lab name. For example if your net-id is vsrini7, then:

The file for Program 1a should be named as vsrini7lab1a.c
The file for Program 1b should be named as vsrini7lab1b.c
The file for Program 1c should be named as vsrini7lab1c.c
The zip file should be named as vsrini7lab1.zip

Creating a zip file
1. Go the directory in which you have saved the files.
2. Select the three files and right click.
3. There should be an menu option to create a zip file. In case of Mac/Linux you will see a menu option **Compress....** In case of Windows you might need to install winzip to create a zip file.