**CST8253 Web Programming II**

Lab 2

# Objective

1. Use C# data type: **int**, **double** and **string**
2. Use C# logical conditions and loops

# Due Date

See Canvas for the due date of this lab. To earn 3 points, you are required:

1. Complete the lab as required.
2. Zip the solution folder and submit the zipped file to the Blackboard.
3. Demo your lab work during the following weeks’ lab session.

**Requirements**

Develop a console application to perform the following functionality.

1. The application keeps prompting the user to enter integers, one at a time.

Note:

* For this lab, your application does not have to handle the situation when the user enters non-integers.

1. When the user press the “Enter” key without enter anything at a prompter. The application displays the following:

* The maximum value of all integers entered.
* The minimum value of all integers entered.
* The total number of odd integers entered.
* If the user entered one or more odd integers:
  + The sum of all odd integers entered.
  + The average value of all odd integers entered.
* The total number of even integers entered.
* If the user entered one or more even integers:
  + The sum of all even integers entered.
  + The average value of all even integers entered.

Note:

* Use module operation **%** to determine if an integer is odd or even.

If N%2 is 0, N is an even number, otherwise, N is an odd number.

* In general, the average value of several integers is a double (a value with decimal point). The output of your application should reflect so.
* If the user press the Enter key without enter an integer at the very first prompter, your application should just display the message:

You did not enter any integer

1. After displays all items listed in 2, the user is prompted with the message:

Play again (Y)?

1. If the user enters “Y” or “y”, the application returns to **1** and continue. If the user enters any other character(s), the application terminates.

The followings are the screen captures for your reference:





