**Homework-3**

**Out Date:** 09/18/2018 (Tuesday)

**Due Date:** 09/23/2018 (Sunday) 11:59PM

**Problem Statement:** Write a program that uses a structure to store the following information for a particular month at the local airport **[10 points]**:

* Total number of planes that landed
* Total number of planes that departed
* Greatest number of planes that landed in a given day that month
* Least number of planes that landed in a given day that month

The program should have a dynamic array of twelve structures to hold travel information for the entire year. The program should prompt the user to enter data for each month **[10 points**]. Once all data is entered, the program should calculate and output the average monthly number of landing planes **[10 points]**, the average monthly number of departing planes **[10 points]**, the total number of landing and departing planes for the year **[10 points]**, and the greatest and least number of planes that landed on any one day and which month it occurred in **[20 points]**.

**Input Validation:** Do not accept negative numbers for input. If the user enters a negative number, display an error message and let the user enter the value again. Repeat this step as long as user does not correct the mistake **[10 points]**.

**Scoring Distribution [100 points]**

* 80 points for implementing the above mentioned requirements.
* 10 points for appropriate comments
* 10 points for programing style

**Blackboard Submission**

1. Submit the CPP file (e.g., HW3\_ Team#.cpp)
2. Zip the files
3. Upload the zip file to Blackboard