Assignment 2 (due 11 pm, Mar. 25, 2016)

Note :

1. This is an individual assignment. Please do submit your answer through LMS individually.

2. You are expected to submit a zip file with name hw2_ID.zip. For example, hw2_12345678.zip. The zipped directory contains all your answers including word file, cpp file, etc. We will not grade the files with wrong naming and format..

3. The Q&A is expected to be written in word file with file name hw2_ID_name.doc. For example, hw2_12345678_chinya.doc

4. The programming files (*.h, *.cpp) are expected to keep their original files name as you download.

5. If you work with others for this assignment, please put their names in the beginning of your answer.

6. No copy !

Q1: Programming. (5 pts)

Please check the released output.jpg. It is the expected output from the program implemented in hello3.h, hello3.cpp, and hello3_main.cpp.

However, hello3.cpp is expected for your help to complete the functionalities. You are free to implement your ideas which could support the program which could output exactly the same result as the output.jpg.

Please submit your implementation in hello3.cpp along with the original downloaded Makefile, hello3.h, hello3_main.cpp.

Q2: Draw the flowchart of the implementations. (3 pts)

Please understand how the "adding two polynomials" was implemented in Program 2.8, and then draw the flowchart to illustrate the idea of the implementation. Further, analyze the pros, cons, and complexity of the implementation of Program 2.8.

Q3: Please explain the usage of the following terms in C++ class. (2 pts)

Public, Private, Protected, Friend, Inherit

You can explain each in words or examples.