2017.2 Object Oriented Programming Design, Project #2

(Due : Nov. 5th 11:59pm)

Submission Rule

1. Create a directory "proj2".
2. Insert compilable source code package(inf_int.h, inf_int.cpp, main.cpp, ...) and readme.txt into "proj2". In readme.txt file, you should briefly explain how to compile and execute the source codes you submit.
3. zip the directory "proj2" into proj2.zip and submit the zip file into eClass homework board.

Problem. Complete implementing `inf_int` class that represents infinite precision integer and its operations. The specification of `inf_int` is provided to you in "`inf_int.h`". You should add its implementation in "`inf_int.cpp`". Test the correctness of your implementation by writing "`main.cpp`". "`inf_int.h`" and an example of "`main.cpp`" are downloadable from our class website. After compilation, your code should generate correct result. The result of this problem should be submitting compilable source code package (`inf_int.h`, `inf_int.cpp`, `main.cpp`, `.sln` files (files for opening with visual studio 2010 or 20xx)). FYI, I will test your code by replacing the "`main.cpp`" with my own `main.cpp` files that contain various test cases and checking whether your code generates correct result according to my own `main.cpp`. You have to effectively use dynamic memory allocation(`new`) and deallocation(`delete`) for handling the variable sizes of infinite precision integer numbers.