CS215: Introduction to Program Design, Abstraction and Problem Solving
(Spring, 2023)
Lab Assignment 6
(5 points + 3 Bonus points)
Today's Date: Saturday, February 18
No Submission is required for this Lab Assignment

The purpose of this lab assignment:
- Try to finish your Project 1.

Dividing a large software system into a few smaller sub-systems is important part of system design in the software engineering. Implement a sub-system (such as Lab5 as the first part of Project 1), compile then test running it, it can help you gradually build your Project 1.

After finishing **Lab 5**, how can I continue to complete **Project 1?**

1. Create a new project, named **Project1**, from Visual Studio IDE, then right click on **Source Files** and select **Add → New Item...,** and choose "C++ File (.cpp)". You may copy the complete source file, which you finished for Lab5, or just the definition of the function, named **roman_rumeral()** from Lab5. (if you have defined other functions for Lab5, you should copy them as well)

2. Write the main function for Project 1, according to the problem statement in Project 1. Please note that you should handle the user input validation while collecting input from the user (you may refer to the sample output of Project1). And continue following the instructions in Project 1 description, and Good Luck!

Academic Honesty:

All assignments of CS215 are individual work. All work submitted as part of this course must be your own. You may not share work (whether from quizzes, lab assignments, or project assignments), nor may you use code provided to you by others, except for your instructor. <u>*You are allowed to use the source code provided by the instructor of this course only.*</u>

Grading (5 points + Bonus 3 points)
1. Attend the lab session or have a documented excused absence.   (5 points)
Demonstrate your Project 1 to your TA and answer TA's questions during Lab6 class.
(Bonus 3 points)
Please note that the demonstration of Project 1 is optional!!!
Any demonstration of Project 1 after the end of Lab6 class is not qualified for Bonus 3 points!

Deadlines:
Demonstration of Lab5 will be due by the end of Lab6 class.
Submission of Lab5 will be due by 11:59pm on Friday, February 24, 2023.
Submission of Project 1 will be due by 11:59pm on Friday, February 24, 2023.