

Assignment 1: Due 11:59 pm, Wed Sep 9

This assignment is a review from the first programming course

Do programming exercises 1 and 6 at the end of chapter 1. For exercise 1, you can assume that the input for Roman numeral is a legal string. Your program should allow the user to enter/test more Roman numerals than the ones given in the text.

Writing a reasonable test program with good user interface *is **always a default requirement for all programming assignments in this course****. Since this course is also about "program design", this is an essential point you need to keep in mind. So, this requirement is understood and will not be repeated for future assignments. Please always pay attention to this requirement. Having solved a problem correctly may not be good enough to get full points. You need to write a good test program and design a good user interface as well. A good test program and a good user interface are not fully prescribed and they may change from program to program. It is something you need to think about for each assignment. An obvious example of a good user interface would be giving the user a chance to repeat a computation before exiting the program, in fact letting the user repeat as long as they like. Also make sure that your program tests all aspects of the assignment. Another point to consider is that asking too much input from the user is not convenient.

You will be working in pairs for the programming assignments in this course. At the top of *each program* you submit in this course, you need to include the following information:

- The names of students who wrote the programs
- A description of the program
- A statement saying that each person contributed about equally to the development of the program and you followed the guidelines for Pair Programming.

*Please note that the example programs in the textbook can often be improved in terms of testing purposes and the user interface.