EE231002 Introduction to Programming

Lab08. Deciphering Roman Numerals

Due: Nov. 15, 2014

The Roman Numeral system has been introduced in Lab 03, including the rules to translate an integer to Roman Numerals. In this lab, you will write a program to reverse work, i.e., to read a Roman Numeral and then print out its integer value. The example outputs of the program are as followings.

```
$ ./a.out
Input a Roman Numeral: MMXIV
The value is: 2014
$ ./a.out
Input a Roman Numeral: MCMXCIX
The value is: 1999
```

Notes.

1. Create a directory `lab08` and use it as the working directory.
2. Name your program source file as `lab08.c`.
3. The first few lines of your program should be comments as the following.

   ```
   /* EE231002 Lab08. Deciphering Roman Numerals
      ID, Name
      Date:
   */
   ```

4. After you finish verifying your program, you can submit your source code by

   ```
   $ ~ee231002/bin/submit lab08 lab08.c
   ```

   If you see a "submitted successfully" message, then you are done. In case you want to check which file and at what time you submitted your labs, you can type in the following command:

   ```
   $ ~ee231002/bin/subrec lab08
   ```

   It will show your submission records for lab08.

5. You should try to write the program as efficient as possible. The format of your program should be compact and easy to understand. These are part of the grading criteria.