Computing Homework 09/10/13

Objective: Create a code in C that will input a number up to 100 and return a roman numeral.

How to do this: The main concept is that I will use while loops to subtract from the original number and add what I subtracted to the roman numeral output. So, I would check for 100, then 90, then any number of 10's between 90&50, then 50, then 40,then any number of 10's between 40 & 10. then all the numbers below 10.

How to test it:

I will write a file with these numbers:

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If the test works, it will output this:

100=C 99=XCIX 95=XCV 90=XC 85=LXXXV 51=LI 49=XLIX 40=XL 39=XXXIX 38=XXXVIII 1=I

Results of testing:
After testing, this was the output:

Gavins-iMac-5:Desktop samuel\$./a.out < numbers.txt Welcome to the roman numeral generator! Please type in a number to begin.

100=C 99=XCIX 95=XCV 90=XC 85=LXXXV 51=LI 49=XLIX 40=XL 39=XXXIX 38=XXXVIII 1=I

We can therefore assume that my roman numerals program works. After finding that my program works with any number up to 399, I then added to it so that it was accurate up to 3999.