CSC 135
Assignment #10
Point value: 30

Program due: Sec 1 Fri, Nov 3
               Sec 2 Thurs, Nov 2

Write a C++ program to convert a number between 1 and 9999, inclusive, into words.

For example, 4 would be converted to "four", 817 would be "eight hundred seventeen", and 4247 would be "four thousand two hundred forty seven".

The test data for the program will be in ~lee/csc135fall00/hw10data. There will be one integer value between 1 and 9999, inclusive per line. The program should keep reading and processing data until the end of file is encountered. You may use filestreams or Unix redirection for input.

Your output should include the original number and its translation into words. You must also leave one blank line between each data value.

Sample output:
4 = four

4247 = four thousand two hundred forty seven

817 = eight hundred seventeen

Your program should make liberal use of functions to help modularize the task.

Do not forget to adequately document the program and function. Adequate documentation for a function consists of a brief description of its purpose, a statement describing expected input parameters, and a statement describing what value(s) are returned and/or output. Significant variables should also be documented.

Do not forget to email the source code to me before the beginning of class on the day the program is due. The mail message must include a subject line indicating your name and the assignment number.

Sample command line to email program:
     mail lee –s "Jane Smith Assignment #10" < hw10.cpp