**Description**

**Permuted Index**  
*Note: In this program as well, do NOT use any of the components of the STL.*  
  
 Write a program to create a "permuted index" of a text file.  
   
What is a permuted index of a file?  
It is a sorted list of each word that appears in the file. Following a given word, is a sorted list of line numbers of the lines on which the word is found.  
  
Input: You should read from a file called input.txt located in the same directory as your program.   
The file is assumed to contain lines of text terminated by a new line character.  
  
Output: Write the index to a file called output.txt in the same directory as your program.  
Output each word in the file, followed by a ":" followed by the sorted comma delimited list of line numbers on which the given word is found.  
  
If a word appears more than once on a line:  
1. List the line number only once for each time the word appears on that line.  
2. List the line number(#of times). For example 7(3) means that the word was found on line 7, 3 times.  
  
For each word you output, start a new line.

Conform to graders' guidelines ([here](https://sites.google.com/site/2012advcpp/project-details/project-7)) as much as possible.