Homework:

Write a code to perform the following steps:

1. Read a txt file in to the memory. The txt file can be any readable file when you open it using Notepad. (Set the memory block size to be the file size plus one).
2. Create an array of pointers (char *), dynamically, because the size of this array is the number of words in this txt file.
3. Assign those pointers to the memory address of the first character of each word of the txt file respectively.
4. Set the character following each word to be '\0'.
5. Print out all the words one by one using a for-loop with the pointer array. Each word a line.
6. Create an array of integers, dynamically, same size of the pointer array.
7. Do a sorting of the words, you can use any sorting algorithm, using the array of integers to mark the sorted index of the words pointing by the pointer array. (hint: compare two words, you can use strcmp function. A simple sorting algorithm see http://en.wikipedia.org/wiki/Bubble_sort )
8. Print out all the words by dictionary order. Each word a line. Duplicated words multi-lines.
9. Print out all the words by dictionary order. Each word a line, no duplicated words.

Zip your code, original txt file and outputs and submit to the Blackboard.