**CSX-351 Homework 2**

Searching and Sorting

The purpose of this assignment is to give you practice working with arrays, passing them to functions, sorting, searching and reading and writing text files.

In this program you will read two files and store their contents in arrays.  You will sort both arrays, and then search an array for each element of the second array.

**Program Steps**

* Open two input files and one output file.
* Input files
* [HW2-dictionary.txt](https://drive.google.com/open?id=1HEtjr5PdL5dE9bwn41Zvw6GzXqL-GAXQ) - this file contains 16000 words
* [HW2-keywords.txt](https://drive.google.com/open?id=1pzdMw8R-hxHjsYXiHWBmx3QnCeacBwXU) - this file contains 84 words
* Read in these two files and store their contents in 2 arrays of strings.
* Sort both arrays using either a ***selection sort, bubble sort or insertion sort***.  Use the same sort routine for sorting both arrays.
* Search the *dictionary* array for each *keyword*.  If the keyword is not present in the *dictionary* array, write a message to the output file that the *keyword* is not found in the *dictionary* (see sample output below).  Count the number of *keywords* not found.  You will print this number at the end of the program.

**Output Details**

**Number of keywords not found = ??**   <= the number is between 20 and 30

**Required file output**

|  |
| --- |
| keyword not found: alignas  keyword not found: alignof  keyword not found: and\_eq  keyword not found: asm  keyword not found: auto  keyword not found: bitand  keyword not found: bitor  keyword not found: char16\_t  keyword not found: char32\_t  keyword not found: compl  ... |