

Objective: The purpose of this assignment is to use functions, strings, arrays, and structs.

Details:

Write a program that produces a concordance for an input text file. The program should:

- Open two text files that have been passed as arguments to the main function (e.g. /main input.txt out.txt)
  - The first argument (position 1) contains the input and you will write the output to a text file listed as the second argument (position 2)
- The input file contains plain text, including punctuation. Punctuation only appears at the ends of words and should be ignored.
- Singular and plurals may be listed separately.
- Produce an alphabetized list of all the words in the input text file (case insensitive) along with the number of times the word appears.
- Your program should have a main file and header files as necessary and all external files should be defined and documented as we have discussed.
- The program should exit gracefully, printing to stderr, if the input file is not found or if the output file cannot be created.
- Structs are highly encouraged for use in this program.
- Sample input/output:

Input	Output
That Sam I am	am 4
That Sam I am!	and 2
I do not like	do 4
That Sam I am	eggs 2
Do you like	green 2
Green eggs and ham?	ham 2
I do not like them,	i 7
Sam I am.	like 4
I do not like	not 3
Green eggs and ham.	sam 4
	that 3
	them 1
	you 1

Submit your source files (\*.c and \*.h) for the assignment.

80 points