

This program uses a two dimensional vector as its index, element one would contain the word, following on with file name and line number, if the word makes more than one appearance, the file name and line number will be place in the existing row of vector like below:

Word	File name	Line number	File name	Line number
coffee	5	34	6	22
krill	1	24	-	-

Each row of vector represents one word. The index will be sorted alphabetically.

Another two dimensional vector is used to store the all the lines from each file, as shown as below from 1.txt and 2.txt:

Antarctic krill:	(empty line)	A keystone prey...	...
Key...			
"The average size...	well," said Dr...	(empty line)	...

Each row of vector represents one file. The row of vectors are in order(from 1.txt to 10.txt).

This program only places words into the index vector if it's not a digit, character or a word from StopWords.txt by filtering with a bool function beforehand.

As for the placing function, if the index vector is empty, a new row will be inserted, if not, the program searches through the index vector by the first element of each row using binary search, if word already exists, only file name and line number will be places like above, else a new row is inserted.

Binary search is also used to search for the requested word from user.