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# CSE244 System Programming HW1 Report

This program asks a word from the user and a “.txt” file name to search the word in it. Once the user enters the command, program checks if the given file name represents a “.txt” file. If it is, program searches for the word inside the given file. Found word doesn’t have to be exactly same with search word, program also lists the words which contains the given word.

For example,

Given word: ow

Found words: how, low, bow, etc.

Once the program finds the given word, it prints to the command prompt and the log file of the program the information listed below:

* Column number of the occurrence
* Line number of the occurrence
* Full string contains the given word

Example log content:

test1.txt

Given word is: ow

1: "How" line: 0 column: 1

2: "window?" line: 0 column: 35

3: "How" line: 2 column: 1

4: "window?" line: 2 column: 35

5: "How" line: 10 column: 1

6: "window?" line: 10 column: 35

7: "How" line: 12 column: 1

8: "window?" line: 12 column: 35

test2.txt

Given word is: aal

Word not found.

test2.txt

Given word is: al

1: "talks" line: 6 column: 28

2: "walk" line: 8 column: 32

3: "sale" line: 13 column: 29

test1.txt

Given word is: ece

1: "ecece" line: 3 column: 10

2: "ecece" line: 3 column: 12

3: "wecececell" line: 8 column: 16

4: "wecececell" line: 8 column: 18

5: "wecececell" line: 8 column: 20