CS 202: IT Workshop I
Assignment IX

Write a Java program to display the details of all the common words present in two files.

File reading should be done using threads. Write a thread class to read a file and retrieve information about words and store them using an appropriate data structure.
[Hint: information can be: **iiitg, 3, 4, 9, 3**
This means the word iiitg is present in 3rd line at 4th position and in 9th line at 3rd position]

Main thread should report the information about the common words.

Input: abc.txt def.txt

Output: Following words are common in both the files with the following details:

iiitg: length 5, appeared in 5th line of abc.txt and 9th line in def.txt at positions 4 and 12 respectively.

Guwahati: length 8, appeared in 7th line of abc.txt and 1st, 2nd and 4th line in def.txt at positions 9 and 1 respectively.

Note:

Thread object should accept a file name as argument.

Case sensitiveness in the both the programs may be handled as you feel comfortable. You may ignore it or you may consider it.