## 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 3<sup>rd</sup> line at 4<sup>th</sup> position and in 9<sup>th</sup> line at 3<sup>rd</sup> 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 5<sup>th</sup> line of abc.txt and 9<sup>th</sup> line in def.txt at positions 4 and 12 respectively.

Guwahati: length 8, appeared in  $7^{th}$  line of abc.txt and  $1^{st}$ ,  $2^{nd}$  and  $4^{th}$  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.