# Text Processing – Comparing Files

## About:

You may be asked to compare two files to see the degree to which they match. In this lab you will compare two files and determine if some characters within individual lines match. You can complete this lab with the information we went over in class this week.

## Things to consider:

* You cannot use libraries outside what is included in standard java
* The files may have a different number of lines this should not throw an error
* This should not be one chunk of code

## The Challenge:

Get the file names of two files that the user wants to compare as command line input. The files can have any number of lines with any number of valid printable characters. For each line you will compare that number of characters and determine if they match, ignoring case. For example, the first line you will match the first character and the second line you will match two characters and so on until one of the files ends. If the line begins or ends with spaces ignore the spaces when comparing. For example, “ The brown cat. “ and “The Brown Cat.” would be considered a match. For output print all the characters you are comparing per line in upper case. Match my output format below. You will need to create two text files to test your code with. We will grade using a different set of files we test with.

## Additional Criteria:

* When you print the characters for output prepend and append “\*\*” for easy readability
* If your line does not have enough characters you only compare what is present, if both lines 99 have At then it would be considered a match.
* Do not ignore spaces in between characters just at the beginning and end
* Your source file with the main method that executes must be called Lab9LastNameFI.java

## Sample Output:

java Lab9 file1.txt file2.txt

Line #1: Matching 1 character/s true \*\*L\*\* and \*\*L\*\*

Line #2: Matching 2 character/s false \*\*IM\*\* and \*\*ET\*\*

## Submission:

Submit ***only*** your source file/s. Do not submit your .class or .txt files. If you have more than one source file then submit in a zipped folder called Lab9LastNameFI. This must be in .zip format. If you only have one then submit only that source file without zipping. Submission must be completed by 23:59:00 on the due date and uploaded to CourseWeb. No email submissions will be accepted.