Lab #07

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CPSC 1150 - 003

Instructor: H. Darbandi

Lab Title: Strings and File I/O

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Department: CSIS

Program: Strings and File I/O

File Name: Lab10.java

Purpose: Reading from txt files, creating and manipulating strings and string arrays, and writing to txt files.

Technical Information:

(You should fill the following information based on compiler and computer you are using).

Compiler: Java SDK version 14

Computer: AMD Ryzen 5 2600 3.40 GHz, 16 GB ram, 64-bit processor, Java SDK 14

Operating System: Windows 10

Language: Java

Program Logic (Pseudocode)

Algorithm:

**START**

***saveUniqueToFile(String[] arr)***

1. outputFile 🡨 new file (output.txt)
2. if outputFile.exists()
   1. print “It already exists. Please delete pre-existing file”
   2. return
3. output = new PrintWriter(outputFile)
4. for loop (I = 0; I < arr.length; i++)
   1. if(I == 0) //if it’s the first iteration of the array
      1. save arr[i] to output
      2. continue
   2. else if(arr[i-1] == arr[i] //if the previous index and current index match, move onto the next iteration of the loop.
      1. continue
   3. else
      1. save arr[i] to output
5. close output

**END**

Generate your test cases based on the specifications in your lab assignment. Follow following format for each test case: (Refer to external document of your previous lab)

*purpose*

*input*

*output*

*expected value*

*passed or failed*

**Test Cases:**

***Please see unsorted.txt and output.txt files.***