Kyle Carney

CSC 1051 – 1

Project 10

I had a lot of difficult with the project, and I had a lot of trouble finding time to utilize resources to help me also. I was asked to act as a temporary manager for our building, so I have been very occupied with that. Still, from where I started the project until now, I learned a lot about data input/output and I have most certainly come a long way. I did my best, and only got done most of the section of Part A. This also has a big part to do with me not completing the last two labs. My partner has missed a few days, so being on my own has had me struggle even more over the last few weeks. I did get some help from Ryan Bender and Rick Carbone and they helped me to understand different concepts I was struggling with. Overall, I tried my best, but I wish I was able to accomplish much more. I am hoping that when I go back and try to complete the labs, I will be more understanding of the material.

Source Code

1 //\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 2 // Matches.java Author: Kyle Carney  
 3 //  
 4 // Demonstrates how to use input from text files into a 2D array  
 5 //\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
 6 import java.lang.Math;   
 7 import java.util.Scanner;  
 8 import java.io.\*;  
 9   
10 public class Matches  
11 {  
12 //-----------------------------------------------------------------  
13 // Creates a 2D array of integers, fills it with increasing  
14 // integer values, then prints them out.  
15 //-----------------------------------------------------------------  
16 public static void main(String [] args) throws IOException  
17 {  
18 Scanner fileScan;  
19 String line;  
20   
21 // Obtain size and names of two files from command line arguments  
22 int size = Integer.parseInt(args[0]);  
23 // System.out.println(args[0]); // Test args[0]  
24 File inputFile = new File(args[1]);  
25 // System.out.println(args[1]); // Test args[1]   
26 fileScan = new Scanner (inputFile);  
27 // Print message to user with the values of size and the first file name obtained  
28 System.out.println("The size of file " + inputFile + " is " + size + " x " + size);  
29 // Instantiate a square two-dimensional array of boolean, using size as the number of rows and columns  
30 boolean [][]table = new boolean [size][size];  
31 // output file  
32 String fileName = args[2];  
33 PrintWriter outFile = new PrintWriter(fileName);  
34 // Input pairs of values from the file until the end of file; for each pair [ x y ],   
35 // set the value in the 2D array at row x, column y to true  
36 while (fileScan.hasNext())  
37 {  
38 int x = fileScan.nextInt();  
39 int y = fileScan.nextInt();  
40 System.out.println (x + " " + y);  
41 table [x][y] = true;  
42 // [Optional: Display the boolean array, to make sure values are input from the file correctly)   
43 // System.out.println(table[x][y]); // Test values of array  
44 }  
45 // After all pairs of values are input, print a message to the user "File Input successfully completed.   
46 // Now processing values to find matches."  
47 System.out.println("File Input successfully completed. " +  
48 "Now processing values to find matches.");  
49 for (int i = 0; i < table.length; i++)  
50 {  
51 //System.out.print("test");  
52 }  
53   
54 // close file  
55 outFile.close();  
56   
57 }  
58 }  
59