

Setup.java

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package edu.wmich.cs3310.a6.setup;
/*
 * CS3310 A5
 * Asgn 6 (CS3310 F15)
 * @author Jonah Groendal
 * Last changed: 12/9/2015
 */
/* This class creates MapGraph.bin and CityNameList.csv */
import java.io.*;

public class Setup {

    public static void main(String[] args) throws IOException {
        Scanner emd = new Scanner(new File("EuropeMapData.csv"));
        PrintWriter out = new PrintWriter(new BufferedWriter(new FileWriter(
("CityNameList.csv", false))));
        DataOutputStream binOut= new DataOutputStream(new FileOutputStream
("MapGraph.bin"));
        String temp[] = new String[3];
        Short tempS[] = new Short[3];

        //Seek to beginning of map names
        for (int i=0; i< 11; i++) {
            emd.nextLine();
        }
        //Print city names to CityNameList.csv
        for (int i=0; i< 21; i++) {
            temp = emd.next().split(",");
            out.print(String.format("%-10s,%s,", temp[0], temp[1]));
        }
        out.close();

        // Seek to beginning of record data
        for (int i=0; i<5; i++) {
            emd.nextLine();
        }
        // Loop through record data and build MapGraph.bin
        int currentBinIndex = 0;
        binOut.writeShort(21);
        while (emd.hasNextLine()) {
            temp = emd.nextLine().split(",");
            tempS[0] = Short.parseShort(temp[0]);
            tempS[1] = Short.parseShort(temp[1]);
            tempS[2] = Short.parseShort(temp[2]);
            if (tempS[1] < tempS[0]) {
                Short tempTemp = tempS[0];
                tempS[0] = tempS[1];
            }
        }
    }
}
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        tempS[1] = tempTemp;
    }
    // Calculate desired index and "seek" to that position while filling
in empty records with max short value
    int desiredIndex = 209 - ((20-tempS[0])*(21-tempS[0])/2) + (tempS
[1]-tempS[0]);
    while (desiredIndex > currentBinIndex) {
        binOut.writeShort(32767);
        currentBinIndex++;
    }
    binOut.writeShort(tempS[2]);
    currentBinIndex++;
}
while (currentBinIndex < 210) {
    binOut.writeShort(32767);
    currentBinIndex++;
}
emd.close();
binOut.close();
}
}
```