package Codes;

import org.jfree.chart.ChartFactory;

import org.jfree.chart.ChartPanel;

import org.jfree.chart.JFreeChart;

import org.jfree.chart.plot.PlotOrientation;

import org.jfree.data.xy.XYSeries;

import org.jfree.data.xy.XYSeriesCollection;

import org.jfree.ui.ApplicationFrame;

import org.jfree.ui.RefineryUtilities;

import java.io.\*;

import org.jfree.chart.ChartFrame;

import org.jfree.chart.JFreeChart;

import org.jfree.chart.ChartFactory;

import org.jfree.chart.ChartUtilities;

import org.jfree.chart.plot.PlotOrientation;

import org.jfree.data.category.DefaultCategoryDataset;

import java.util.Scanner;

import Codes.gCorr;

public class gCorrChart{

static Scanner userinput=new Scanner(System.in);

public gCorrChart(String name, int ws, int ss, int len)

{

final XYSeries series = new XYSeries("Amplitude");

gCorr gcorr = new gCorr(name,ws,ss,len);

//System.out.println("below");

double[] array1;

array1=gcorr.gcorrfunction();

for(int i=0;i<array1.length;i++)

{

series.add(i+1,array1[i]);

}

final XYSeriesCollection data = new XYSeriesCollection(series);

final JFreeChart chart = ChartFactory.createXYLineChart(

"Gcorr Plot ",

"Window Number",

"Amplitude",

data,

PlotOrientation.VERTICAL,

true,

true,

false

);

ChartFrame frame = new ChartFrame("Gcorr Curve", chart);

frame.pack();

frame.setVisible(true);

}

public static void main(final String[] args) {

}

}