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Title: - Student Form

Problem Statement: - Develop a GUI which accepts the information regarding the marks for all the subjects of a student in the examination. Display the result for a student in a separate window.

import javax.swing.\*;

import java.awt.\*;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

public class javaSwing extends JFrame {

JFrame j1;JLabel lb1;JLabel lb2;JLabel lb3;

JLabel lb4;JLabel lb5;JLabel lb6;JLabel lb7;

JLabel lb8;JLabel lb9;

JTextField tf1;JTextField tf2;JTextField tf3;

JTextField tf4;JTextField tf5;JTextField tf6;

JTextField tf7;JTextField tf8;

JComboBox div;

JComboBox dept;

JButton b1;

JButton b2;

JButton b3;

javaSwing(){

j1 = new JFrame();

JFrame.setDefaultLookAndFeelDecorated(true);

lb1 = new JLabel("Enter Name");

lb2 = new JLabel("Select Divsion");

lb3 = new JLabel("Enter Id");

lb4 = new JLabel("Enter Rollno");

lb5 = new JLabel("Select Department");

lb6 = new JLabel("Subject 1 Marks");

lb7 = new JLabel("Subject 2 Marks");

lb8 = new JLabel("Subject 3 Marks");

lb9 = new JLabel("Subject 4 Marks");

tf1 = new JTextField();

tf1.setPreferredSize(new Dimension(50,50));

tf2 = new JTextField();

tf2.setPreferredSize(new Dimension(50,50));

tf3 = new JTextField();

tf3.setPreferredSize(new Dimension(50,50));

tf4 = new JTextField();

tf4.setPreferredSize(new Dimension(50,50));

tf5 = new JTextField();

tf5.setPreferredSize(new Dimension(50,50));

tf6 = new JTextField();

tf6.setPreferredSize(new Dimension(50,50));

tf7 = new JTextField();

tf7.setPreferredSize(new Dimension(50,50));

tf8 = new JTextField();

tf8.setPreferredSize(new Dimension(50,50));

div = new JComboBox();

dept = new JComboBox();

b1 = new JButton("Get Result");

b2 = new JButton( "Close");

div.addItem("1");

div.addItem("2");

div.addItem("3");

div.addItem("4");

div.addItem("5");

div.addItem("6");

dept.addItem("Comp");

dept.addItem("IT");

dept.addItem("Entc");

b1.addActionListener(new ActionListener() {

@Override

public void actionPerformed(ActionEvent actionEvent) {

String s1 = tf1.getText();

String s2 = tf2.getText();

String s3 = tf3.getText();

int a = Integer.parseInt(tf4.getText());

int b = Integer.parseInt(tf5.getText());

int c = Integer.parseInt(tf6.getText());

int d = Integer.parseInt(tf7.getText());

double sum = (double)(a+b+c+d);

double res = (sum/(double)400)\*(double)(100);

String division = (String) div.getItemAt(div.getSelectedIndex());

String department = (String)dept.getItemAt(dept.getSelectedIndex());

j1.setVisible(false);

System.out.println(s1);

System.out.println(s2);

System.out.println(s3);

System.out.println(division);

System.out.println(department);

System.out.println(res);

JOptionPane.showMessageDialog(j1, "Name -" +s1 + "\r\n" + "Id -" + s2 + "\r\n" + "Mn -"+s3 + "\r\n " + "Division -" + division + "\r\n " + "Department -" + department + "\r\n" + "Result in percentage - " + res );

}

});

b2.addActionListener(new ActionListener() {

@Override

public void actionPerformed(ActionEvent actionEvent) {

j1.setVisible(false);

}

});

j1.add(lb1);j1.add(tf1);j1.add(lb2);j1.add(div);j1.add(lb3);j1.add(tf2);j1.add(lb4);j1.add(tf3);

j1.add(lb5);j1.add(dept);j1.add(lb6); j1.add(tf4);j1.add(lb7); j1.add(tf5);j1.add(lb8);j1.add(tf6);j1.add(lb9); j1.add(tf7)

;j1.add(b1);j1.add(b2);

j1.setSize(1000,1000);

j1.setLayout(new GridLayout(24,12));

j1.setVisible(true);

}

public static void main(String[] args) {

javaSwing j = new javaSwing();

}

}