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**Batch: M5 32162**

**Problem Statement: Develop a GUI which accepts the information regarding the marks for**

**all the subjects of a student on the examination. Display the result for**

**a student in a separate window.**

**Code:**

// Tanishq\_Garde 32162 M5 Exp\_3

package exp\_4;

import javax.swing.\*;

import java.awt.\*;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

public class Exp\_4 extends JFrame

{

JFrame j1;

JLabel lb1,lb2,lb3,lb4,lb5,lb6,lb7,lb8,lb9;

JTextField tf1,tf2,tf3,tf4,tf5,tf6,tf7,tf8;

JComboBox div;

JComboBox dept;

JButton b1,b2,b3;

Exp\_4(){

j1=new JFrame();

JFrame.setDefaultLookAndFeelDecorated(true);

lb1=new JLabel("Enter name:");

lb2=new JLabel("Select Division:");

lb3=new JLabel("Enter ID:");

lb4=new JLabel("Enter Age:");

lb5=new JLabel("Enter Department:");

lb6=new JLabel("Sub1 Marks:");

lb7=new JLabel("Sub2 Marks:");

lb8=new JLabel("Sub3 Marks:");

lb9=new JLabel("Sub4 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();

div.addItem("1");

div.addItem("2");

div.addItem("3");

div.addItem("4");

div.addItem("5");

div.addItem("6");

dept=new JComboBox();

dept.addItem("Comp");

dept.addItem("IT");

dept.addItem("E&TC");

b1=new JButton("Get Result");

b2=new JButton("Close");

b1.addActionListener (new ActionListener()

{

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" +

"Age-" + s3 + "\r\n" + "Division-" + Division + "\r\n" + "Department-" + Department +

"\r\n" + "Result(%)-" + res);

}});

b2.addActionListener (new ActionListener()

{

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)

{

new Exp\_4();}}