**/\* Program No. :-**

**Aim :- WAP to implement the Insert and Update operations of Database in Java.**

**\*/**

import java.sql.\*;

import javax.swing.JOptionPane;

class Form14 extends javax.swing.JFrame

{

String query;

Connection connect;

PreparedStatement executeQuery;

public Form14()

{

jLabel1 = new javax.swing.JLabel();

jTextField1 = new javax.swing.JTextField();

jLabel2 = new javax.swing.JLabel();

jTextField2 = new javax.swing.JTextField();

jLabel3 = new javax.swing.JLabel();

jTextField3 = new javax.swing.JTextField();

jButton1 = new javax.swing.JButton();

jButton2 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

setTitle("Program 14");

setResizable(false);

addWindowListener(new java.awt.event.WindowAdapter() {

public void windowOpened(java.awt.event.WindowEvent evt) {

formWindowOpened(evt);

}

});

getContentPane().setLayout(null);

jLabel1.setText("Name");

getContentPane().add(jLabel1);

jLabel1.setBounds(25, 25, 75, 14);

getContentPane().add(jTextField1);

jTextField1.setBounds(125, 25, 150, 20);

jLabel2.setText("Roll Number");

getContentPane().add(jLabel2);

jLabel2.setBounds(25, 75, 75, 14);

getContentPane().add(jTextField2);

jTextField2.setBounds(125, 75, 150, 20);

jLabel3.setText("Branch");

getContentPane().add(jLabel3);

jLabel3.setBounds(25, 125, 75, 14);

getContentPane().add(jTextField3);

jTextField3.setBounds(125, 125, 150, 20);

jButton1.setText("Insert");

jButton1.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jButton1MouseClicked(evt);

}

});

getContentPane().add(jButton1);

jButton1.setBounds(50, 180, 75, 23);

jButton2.setText("Update");

jButton2.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jButton2MouseClicked(evt);

}

});

getContentPane().add(jButton2);

jButton2.setBounds(175, 180, 75, 23);

java.awt.Dimension screenSize = java.awt.Toolkit.getDefaultToolkit().getScreenSize();

setBounds((screenSize.width-308)/2, (screenSize.height-259)/2, 308, 259);

}

private void jButton1MouseClicked(java.awt.event.MouseEvent evt)

{

if(jTextField1.getText().length() != 0 && jTextField2.getText().length() != 0 && jTextField3.getText().length() != 0)

{

try

{

query = "insert into Prog14\_table (Name, RollNo, Branch) values (?,?,?)";

executeQuery = connect.prepareStatement(query);

executeQuery.setString(1, jTextField1.getText());

executeQuery.setString(2, jTextField2.getText());

executeQuery.setString(3, jTextField3.getText());

executeQuery.executeUpdate();

JOptionPane.showMessageDialog(this, "Values inserted successfully.");

jTextField1.setText("");

jTextField2.setText("");

jTextField3.setText("");

}

catch(SQLException e)

{

JOptionPane.showMessageDialog(this, "Query couldn't be executed succesfully.");

}

}

else

{

JOptionPane.showMessageDialog(this, "One or more fields are empty.");

}

}

private void jButton2MouseClicked(java.awt.event.MouseEvent evt)

{

if(jTextField1.getText().length() != 0 && jTextField2.getText().length() != 0 && jTextField3.getText().length() != 0)

{

try

{

query = "update Prog14\_table set RollNo=? and Branch=? where Name=?";

executeQuery = connect.prepareStatement(query);

executeQuery.setString(1, jTextField2.getText());

executeQuery.setString(2, jTextField3.getText());

executeQuery.setString(3, jTextField1.getText());

executeQuery.executeUpdate();

JOptionPane.showMessageDialog(this, "Values updated successfully.");

jTextField1.setText("");

jTextField2.setText("");

jTextField3.setText("");

}

catch(SQLException e)

{

JOptionPane.showMessageDialog(this, "Query couldn't be executed succesfully.");

}

}

else

{

JOptionPane.showMessageDialog(this, "One or more fields are empty.");

}

}

private void formWindowOpened(java.awt.event.WindowEvent evt)

{

try

{

Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

connect = DriverManager.getConnection("jdbc:odbc:Prog14\_jdbc", "", "");

JOptionPane.showMessageDialog(this, "Connection to the database succesfully established.");

}

catch(ClassNotFoundException e)

{

JOptionPane.showMessageDialog(this, "Connection Class can't be loaded.");

this.dispose();

}

catch(SQLException e)

{

JOptionPane.showMessageDialog(this, "Connection to the database failed.");

this.dispose();

}

}

private javax.swing.JButton jButton1;

private javax.swing.JButton jButton2;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JTextField jTextField1;

private javax.swing.JTextField jTextField2;

private javax.swing.JTextField jTextField3;

}

public class Prog14

{

public static void main(String[] args)

{

Form14 object = new Form14();

object.show();

}

}

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**\*/**