



Code:

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this
license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template
 */
package com.mycompany.mavenproject2;
import java.sql.*;
import java.util.Vector;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
/**
 *
 * @author kripa
 */
public class NewJFrame extends javax.swing.JFrame {

    /**
     * Creates new form NewJFrame
     */
    public NewJFrame() {
        initComponents();
        connect();
        Load();
    }
    Connection con;
    PreparedStatement pat;
    DefaultTableModel def;
    public void connect()
    {
        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            con=DriverManager.getConnection("jdbc:mysql://localhost/international","root","");
        } catch (ClassNotFoundException ex) {
            Logger.getLogger(NewJFrame.class.getName()).log(Level.SEVERE, null, ex);
        } catch (SQLException ex) {
            Logger.getLogger(NewJFrame.class.getName()).log(Level.SEVERE, null, ex);
        }
    }
}
```

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public void Load()
{
    try {
        pat=con.prepareStatement("select *from Stu1");
        ResultSet rs=pat.executeQuery();
        ResultSetMetaData rss=rs.getMetaData();
        int c;
        c=rss.getColumnCount();
        def=(DefaultTableModel)jTable1.getModel();
        def.setRowCount(0);
        while(rs.next())
        {
            Vector v=new Vector();
            for(int i=0;i<c;i++)
            {
                v.add(rs.getString("id"));
                v.add(rs.getString("name"));
                v.add(rs.getString("contact"));
                v.add(rs.getString("country"));
            }
            def.addRow(v);
        }

    } catch (SQLException ex) {
        Logger.getLogger(NewJFrame.class.getName()).log(Level.SEVERE, null, ex);
    }
}

/**
 * This method is called from within the constructor to initialize the form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jLabel1 = new javax.swing.JLabel();
    jLabel6 = new javax.swing.JLabel();
    EM = new javax.swing.JTextField();
    add = new javax.swing.JButton();
    jLabel2 = new javax.swing.JLabel();
    FNM1 = new javax.swing.JTextField();
    CNO = new javax.swing.JTextField();

```

```

EDIT = new javax.swing.JButton();
SEARCH = new javax.swing.JButton();
DELETE = new javax.swing.JButton();
CNM = new javax.swing.JTextField();
FNM = new javax.swing.JLabel();
jLabel8 = new javax.swing.JLabel();
jLabel9 = new javax.swing.JLabel();
jLabel10 = new javax.swing.JLabel();
jScrollPane1 = new javax.swing.JScrollPane();
jTable1 = new javax.swing.JTable();

jLabel1.setText("jLabel1");

jLabel6.setText("jLabel6");

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

add.setText("ADD");
add.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        addActionPerformed(evt);
    }
});

jLabel2.setText("INTERNATIONAL CONFERENCE");

CNO.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        CNOActionPerformed(evt);
    }
});

EDIT.setText("EDIT");
EDIT.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        EDITActionPerformed(evt);
    }
});

SEARCH.setText("SEARCH");
SEARCH.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        SEARCHActionPerformed(evt);
    }
}

```

```
});
```

```
DELETE.setText("DELETE");  
DELETE.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        DELETEActionPerformed(evt);  
    }  
});
```

```
CNM.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        CNMActionPerformed(evt);  
    }  
});
```

```
FNM.setText("FULL NAME");
```

```
jLabel8.setText("EMAIL");
```

```
jLabel9.setText("CONTACT NO");
```

```
jLabel10.setText("COUNTRY");
```

```
jTable1.setModel(new javax.swing.table.DefaultTableModel(  
    new Object [][] {  
        {null, null, null, null, null},  
        {null, null, null, null, null},  
        {null, null, null, null, null},  
        {null, null, null, null, null},  
        {null, null, null, null, null}  
    },  
    new String [] {  
        "id", "name", "email", "contact", "country"  
    }  
));
```

```
jScrollPane1.setViewportView(jTable1);
```

```
javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());  
getContentPane().setLayout(layout);  
layout.setHorizontalGroup(  
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
        .addGroup(layout.createSequentialGroup()  
            .addGap(27, 27, 27)
```

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.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
    .addComponent(add)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jLabel8)
    .addComponent(FNM)
    .addComponent(jLabel9)
    .addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED_SIZE, 64,
javax.swing.GroupLayout.PREFERRED_SIZE)))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addGap(18, 18, 18)
        .addComponent(EDIT)
        .addGap(30, 30, 30)
        .addComponent(DELETE)
        .addGap(46, 46, 46)
        .addComponent(SEARCH))
    .addGroup(layout.createSequentialGroup()
        .addGap(46, 46, 46)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addGap(43, 43, 43)
        .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE,
208, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(FNM1, javax.swing.GroupLayout.PREFERRED_SIZE,
189, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(CNO, javax.swing.GroupLayout.PREFERRED_SIZE,
185, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(EM, javax.swing.GroupLayout.PREFERRED_SIZE, 189,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(CNM, javax.swing.GroupLayout.PREFERRED_SIZE,
185, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(18, 18, 18)
    .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 452,
javax.swing.GroupLayout.PREFERRED_SIZE))))
    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);

```

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        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(layout.createSequentialGroup()
                    .addGap(19, 19, 19)
                    .addComponent(jLabel2)

                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(layout.createSequentialGroup()
                        .addGap(23, 23, 23)

                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(FNM1, javax.swing.GroupLayout.PREFERRED_SIZE,
                            javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(FNM))
                        .addGap(18, 18, 18)

                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(EM, javax.swing.GroupLayout.PREFERRED_SIZE,
                            javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(jLabel8))
                        .addGap(26, 26, 26)

                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(CNO, javax.swing.GroupLayout.PREFERRED_SIZE,
                            javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(jLabel9))
                        .addGap(25, 25, 25)

                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(CNM, javax.swing.GroupLayout.PREFERRED_SIZE,
                            javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(jLabel10)))
                    .addGroup(layout.createSequentialGroup()
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
                            275, javax.swing.GroupLayout.PREFERRED_SIZE)))
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(add)
                    .addComponent(EDIT)
                    .addComponent(DELETE)
                    .addComponent(SEARCH))
                    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

```

```

    );

    pack();
} // </editor-fold>

private void actionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try {
        String name,country,email,contact;
        name=FNM1.getText();

        email=EM.getText();
        contact=CNO.getText();
        country=CNM.getText();
        pat=con.prepareStatement("insert into
table1(name,email,contact,country)values(?,?,?,?)");
        pat.setString(1,name);
        pat.setString(2,email);

        pat.setString(2,email);
        pat.setString(4,country);
        pat.executeUpdate();
        JOptionPane.showMessageDialog(this,"Records Added");
        Load();
        EM.setText("");
        FNM1.setText("");
        CNO.setText("");
        CNM.requestFocus();
    } catch (SQLException ex) {
        Logger.getLogger(NewJFrame.class.getName()).log(Level.SEVERE, null, ex);
    }
}

private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    def=(DefaultTableModel)jTable1.getModel();
    int selected=jTable1.getSelectedRow();
    int id=Integer.parseInt(def.getValueAt(selected, 0).toString());
    EM.setText(def.getValueAt(selected, 1).toString());
    FNM1.setText(def.getValueAt(selected, 2).toString());
    CNO.setText(def.getValueAt(selected, 3).toString());
    CNM.setText(def.getValueAt(selected, 4).toString());
}

```



```
}
```

```
}
```

```
private void EDITActionPerformed(java.awt.event.ActionEvent evt) {  
    def=(DefaultTableModel)jTable1.getModel();  
    int selected=jTable1.getSelectedRow();  
    int id=Integer.parseInt(def.getValueAt(selected, 0).toString());  
    try {  
        String name,country,email,contact;  
        int contact;  
        name=FN1.getText();  
        email=EM.getText();  
        contact=CNO.getText();  
        country=CNM.getText();  
        pat=con.prepareStatement("update table1 set name=?,email=?,contact=?,country=?  
where id=?");  
        pat.setString(1,name);  
        pat.setString(2,email);  
        pat.setString(3,contact);  
        pat.setString(4,country);  
        pat.setInt(5, id);  
        pat.executeUpdate();  
        JOptionPane.showMessageDialog(this,"Records Updated");  
        Load();  
        EM.setText("");  
        FN1.setText("");  
        CNO.setText("");  
        CNM.setText("");  
        CNM.requestFocus();  
    } catch (SQLException ex) {  
        Logger.getLogger(NewJFrame.class.getName()).log(Level.SEVERE, null, ex);  
    }  
}
```

```
private void SEARCHActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
}
```

```
private void DELETEActionPerformed(java.awt.event.ActionEvent evt) {  
    def=(DefaultTableModel)jTable1.getModel();  
    int selected=jTable1.getSelectedRow();  
    int id=Integer.parseInt(def.getValueAt(selected, 0).toString());
```

```

    try {
        pat=con.prepareStatement("delete from table1 where id=?");
        pat.setInt(1, id);
        pat.executeUpdate();
        JOptionPane.showMessageDialog(this,"Records Deleted");
        Load();
        EM.setText("");
        FNM1.setText("");
        CNO.setText("");
        CNM.setText("");
        CNM.requestFocus();
    } catch (SQLException ex) {
        Logger.getLogger(NewJFrame.class.getName()).log(Level.SEVERE, null, ex);
    }

}

}

}

private void CNOActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here: System.exit(0);
    System.exit(0);
}

private void CNMAActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
     * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
     */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    }
    catch (ClassNotFoundException ex) {
        java.util.logging.Logger.getLogger(NewJFrame.class.getName()).log(Level.SEVERE, null, ex);
    }
    catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(NewJFrame.class.getName()).log(Level.SEVERE, null, ex);
    }
    catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(NewJFrame.class.getName()).log(Level.SEVERE, null, ex);
    }
}

```

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    }
}
} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(NewJFrame.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(NewJFrame.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(NewJFrame.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(NewJFrame.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    }
}
//</editor-fold>
try {
    for (javax.swing.UIManager.LookAndFeelInfo info :
java.swing.UIManager.getInstalledLookAndFeels()) {
        if ("Nimbus".equals(info.getName())) {
            javax.swing.UIManager.setLookAndFeel(info.getClassName());
            break;
        }
    }
} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(NewJFrame.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(NewJFrame.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(NewJFrame.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(NewJFrame.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    }
}

```

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    }
    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new NewJFrame().setVisible(true);
        }
    });
}

```

```

// Variables declaration - do not modify
private javax.swing.JTextField CNM;
private javax.swing.JTextField CNO;
private javax.swing.JButton DELETE;
private javax.swing.JButton EDIT;
private javax.swing.JTextField EM;
private javax.swing.JLabel FNM;
private javax.swing.JTextField FNM1;
private javax.swing.JButton SEARCH;
private javax.swing.JButton add;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTable1;
// End of variables declaration
}

```