**TeachersclassUI.java :**

package myapp;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

/\*\*

\*

\* @author Welcome

\*/

public class TeachersclassUI extends javax.swing.JFrame {

/\*\*

\* Creates new form TeachersclassUI

\*/

DefaultTableModel model;

public TeachersclassUI() {

initComponents();

model=(DefaultTableModel) tbdata.getModel();

}

/\*\*

\* 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();

jLabel2 = new javax.swing.JLabel();

jLabel3 = new javax.swing.JLabel();

txtna = new javax.swing.JTextField();

txtrn = new javax.swing.JTextField();

txtcl = new javax.swing.JTextField();

jScrollPane1 = new javax.swing.JScrollPane();

tbdata = new javax.swing.JTable();

btnAdd = new javax.swing.JButton();

btnRemove = new javax.swing.JButton();

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

setTitle("TeachersclassUI");

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

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

formMouseClicked(evt);

}

});

jLabel1.setText("Name");

jLabel2.setText("Roll Number :");

jLabel3.setText("Class :");

tbdata.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Name", "Roll Number", "Class"

}

) {

Class[] types = new Class [] {

java.lang.Object.class, java.lang.Long.class, java.lang.Object.class

};

boolean[] canEdit = new boolean [] {

false, false, false

};

public Class getColumnClass(int columnIndex) {

return types [columnIndex];

}

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jScrollPane1.setViewportView(tbdata);

btnAdd.setText("Add");

btnAdd.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnAddActionPerformed(evt);

}

});

btnRemove.setText("Remove");

btnRemove.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnRemoveActionPerformed(evt);

}

});

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jScrollPane1, javax.swing.GroupLayout.Alignment.TRAILING)

.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(138, 138, 138)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addComponent(jLabel1)

.addGap(85, 85, 85)

.addComponent(txtna, javax.swing.GroupLayout.PREFERRED\_SIZE, 197, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addComponent(jLabel2)

.addGap(48, 48, 48)

.addComponent(txtrn, javax.swing.GroupLayout.PREFERRED\_SIZE, 197, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addComponent(jLabel3)

.addGap(80, 80, 80)

.addComponent(txtcl, javax.swing.GroupLayout.PREFERRED\_SIZE, 197, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addGroup(layout.createSequentialGroup()

.addGap(216, 216, 216)

.addComponent(btnAdd, javax.swing.GroupLayout.PREFERRED\_SIZE, 69, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(108, 108, 108)

.addComponent(btnRemove, javax.swing.GroupLayout.PREFERRED\_SIZE, 96, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGap(0, 200, Short.MAX\_VALUE)))

.addContainerGap())

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(39, 39, 39)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(3, 3, 3)

.addComponent(jLabel1))

.addComponent(txtna, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(30, 30, 30)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel2)

.addComponent(txtrn, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(7, 7, 7)

.addComponent(jLabel3))

.addComponent(txtcl, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 39, Short.MAX\_VALUE)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(btnAdd)

.addComponent(btnRemove))

.addGap(31, 31, 31)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 175, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(19, 19, 19))

);

pack();

setLocationRelativeTo(null);

}// </editor-fold>

private void btnAddActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

if(validateFields()){

model.insertRow(tbdata.getRowCount(),new Object[]{

txtna.getText(),

txtrn.getText(),

txtcl.getText()

});

resetFields();

}

}

private void formMouseClicked(java.awt.event.MouseEvent evt) {

// TODO add your handling code here:

tbdata.clearSelection();

}

private void btnRemoveActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

if(tbdata.getSelectedRow() == -1){

JOptionPane.showMessageDialog(TeachersclassUI.this, "Select any row");

return;

}

model.removeRow(tbdata.getSelectedRow());

}

/\*\*

\* @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(TeachersclassUI.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new TeachersclassUI().setVisible(true);

}

});

}

private boolean validateFields(){

if(txtna.getText().trim().isEmpty()){

JOptionPane.showMessageDialog(TeachersclassUI.this, "Enter name");

txtna.grabFocus();

return false;

}

if(txtrn.getText().trim().isEmpty()){

JOptionPane.showMessageDialog(TeachersclassUI.this, "Enter Roll Number");

txtrn.grabFocus();

return false;

}

if(txtcl.getText().trim().isEmpty()){

JOptionPane.showMessageDialog(TeachersclassUI.this, "Enter class");

txtcl.grabFocus();

return false;

}

return true;

}

private void resetFields(){

txtna.setText("");

txtrn.setText("");

txtcl.setText("");

}

// Variables declaration - do not modify

private javax.swing.JButton btnAdd;

private javax.swing.JButton btnRemove;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JTable tbdata;

private javax.swing.JTextField txtcl;

private javax.swing.JTextField txtna;

private javax.swing.JTextField txtrn;

// End of variables declaration

}