

STUDNO	LASTNAME	FIRSTNAME	AGE
C-006115...	Diaz	Dale	19
C-006116...	Gubrian	Maegan	19
C-006120...	Abril	John Mark	18
C-006122...	Gregorio	Farrah Mae	19
C-006124...	Santos	Angelo	20

Code:

```
import java.sql.*;
import javax.swing.*;
import net.proteanit.sql.DbUtils;

public class Form1 extends javax.swing.JFrame {

    public Form1() {
        initComponents();
    }

    Connection conn = null;
    ResultSet rs = null;
    PreparedStatement pst = null;
    public String str;

    @SuppressWarnings("unchecked")
    // Database Connection - When the form load
    private void formWindowOpened(java.awt.event.WindowEvent evt) {
        try{
            Class.forName("com.mysql.jdbc.Driver");
            conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/studentdb","root","jmabril17");
            JOptionPane.showMessageDialog(null, "Connected");
            loadRecord();
        }catch (Exception ex){
            JOptionPane.showMessageDialog(null,ex);
        }
    }

    // When the table row get selected.
    private void tableViewMouseClicked(java.awt.event.MouseEvent evt) {
        int row = tableView.getSelectedRow();
        txtStudNo.setText(tableView.getModel().getValueAt(row,0).toString());
        txtLastName.setText(tableView.getModel().getValueAt(row,1).toString());
        txtFirstName.setText(tableView.getModel().getValueAt(row,2).toString());
        txtAge.setText(tableView.getModel().getValueAt(row,3).toString());
    }

    // Button Save
    private void btnSaveActionPerformed(java.awt.event.ActionEvent evt) {
        str = "INSERT INTO studentinfo VALUES(?,?,?,?)";
        try{
            pst = conn.prepareStatement(str);
        }
    }
}
```

```

        pst.setString(1, txtStudNo.getText());
        pst.setString(2, txtLastName.getText());
        pst.setString(3, txtFirstName.getText());
        pst.setString(4, txtAge.getText());
        pst.execute();
        JOptionPane.showMessageDialog(null, "SAVED");
        loadRecord();
        clearFields();
    }catch (Exception ex){
        JOptionPane.showMessageDialog(null, ex);
    }
}

// Button Update
private void btnUpdateActionPerformed(java.awt.event.ActionEvent evt) {
    str = "UPDATE studentinfo SET LASTNAME = ?, FIRSTNAME = ?, AGE = ? WHERE STUDNO = ?";
    try{
        pst = conn.prepareStatement(str);
        pst.setString(1, txtLastName.getText());
        pst.setString(2, txtFirstName.getText());
        pst.setString(3, txtAge.getText());
        pst.setString(4, txtStudNo.getText());
        pst.execute();
        JOptionPane.showMessageDialog(null, "UPDATED");
        loadRecord();
        clearFields();
    }catch (Exception ex){
        JOptionPane.showMessageDialog(null, ex);
    }
}

// Button Delete
private void btnDeleteActionPerformed(java.awt.event.ActionEvent evt) {
    str = "DELETE FROM studentinfo WHERE STUDNO = ?";
    try{
        pst = conn.prepareStatement(str);
        pst.setString(1, txtStudNo.getText());
        pst.execute();
        JOptionPane.showMessageDialog(null, "DELETED");
        loadRecord();
        clearFields();
    }catch (Exception ex){
        JOptionPane.showMessageDialog(null, ex);
    }
}

// Search code - Key Released
private void txtSearchKeyReleased(java.awt.event.KeyEvent evt) {
    str = "SELECT * FROM studentinfo WHERE STUDNO LIKE ? OR LASTNAME LIKE ?";
    try{
        pst = conn.prepareStatement(str);
        pst.setString(1, txtSearch.getText() + "%");
        pst.setString(2, txtSearch.getText() + "%");
        rs = pst.executeQuery();
        tableView.setModel(DbUtils.resultSetToTableModel(rs));
    }catch (Exception ex){
        JOptionPane.showMessageDialog(null, ex);
    }
}

// Button Clear
private void btnClearActionPerformed(java.awt.event.ActionEvent evt) {
    clearFields();
}

// Method for clearing all fields
public void clearFields(){
    txtStudNo.setText("");
    txtLastName.setText("");
    txtFirstName.setText("");
    txtAge.setText("");
}

```

```
        txtStudNo.requestFocus();
    }

    // Method for loading all records
    public void loadRecord(){
        str = "SELECT * FROM studentinfo ORDER BY STUDNO";
        try{
            pst = conn.prepareStatement(str);
            rs = pst.executeQuery();
            tableView.setModel(DbUtils.resultSetToTableModel(rs));
        }catch (Exception ex){
            JOptionPane.showMessageDialog(null,ex);
        }
    }
}
```