

Insertion

```
import java.sql.Connection;
import java.sql.DriverManager;
import javax.swing.JOptionPane;
import java.sql.PreparedStatement;

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    String url = "jdbc:mysql://localhost:3306/sample";
    String username = "root";
    String pswd = "rootroot";

    String name = jTextField1.getText();

    int age = Integer.parseInt(jTextField2.getText());
    String usnmae = jTextField3.getText();

    try{
        Connection conn = DriverManager.getConnection(url,username,pswd);

        System.out.println("sucess");

        String query = "INSERT INTO student (name, age, username)" + "VALUES(?,?,?) ";
        PreparedStatement prest = conn.prepareStatement(query);
        prest.setString(1, name);
        prest.setInt(2, age);
        prest.setString(3, usnmae);
        int count = prest.executeUpdate();
        if(count >=1)
```

```

        { JOptionPane.showMessageDialog(this,"Success"); }
        else{JOptionPane.showMessageDialog(this,"failed");}
    }catch(Exception e){
        JOptionPane.showMessageDialog(this,"failed");
    }

}

```

//Jframe2

View

```

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.PreparedStatement;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;

//declare the following variables publicly.
String url = "jdbc:mysql://localhost:3306/sample";
String username = "root";
String pswd = "rootroot";
    String sname;
        String sage ;
            String suname,upname ;

//call this function inside the constructor : displayDataInTable();

private void displayDataInTable() {
    DefaultTableModel model = (DefaultTableModel) jTable1.getModel();

```

```
model.setRowCount(0); // Clear existing rows from the table
```

```
try
```

```
{
```

```
    Connection conn = DriverManager.getConnection(url, username, pswd);
```

```
    String query = "SELECT name, age, username FROM student";
```

```
    PreparedStatement stmt = conn.prepareStatement(query);
```

```
    ResultSet rs = stmt.executeQuery(query);
```

```
    while (rs.next()) {
```

```
        sname = rs.getString(1);
```

```
        sage = rs.getString(2);
```

```
        suname =rs.getString(3);
```

```
        model.addRow(new Object[]{sname,sage,suname});
```

```
    }
```

```
} catch (SQLException e) {
```

```
    e.printStackTrace();
```

```
}
```

```
}
```

jTable1 > right click > events > mouse > mouseClicked

```
private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {
```

```
    // TODO add your handling code here:
```

```
    String sname = (String)jTable1.getValueAt(jTable1.getSelectedRow(),0);
```

```
    String stage = (String)jTable1.getValueAt(jTable1.getSelectedRow(),1);
```

```
    String stuname = (String)jTable1.getValueAt(jTable1.getSelectedRow(),2);
```

```
    jTextField1.setText(sname);
```

```
    jTextField2.setText(stage);
```

```
    jTextField3.setText(stuname);
```

```
upname = jTextField1.getText();

}
```

update

```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

    // TODO add your handling code here:


    try{

        String sename = (String) jTable1.getValueAt(jTable1.getSelectedRow(),0);
        System.out.println(sename);
        Connection conn = DriverManager.getConnection(url, usname, pswd);
        String query = "UPDATE student SET name = ?, age = ?, username = ? WHERE name = ?";
        PreparedStatement ps = conn.prepareStatement(query);
        ps.setString(1, jTextField1.getText());
        ps.setString(2, jTextField2.getText());
        ps.setString(3, jTextField3.getText());
        ps.setString(4, upname);
        int count = ps.executeUpdate();
        if(count>=1)
        {
            JOptionPane.showMessageDialog(this, "Updated sucessfully..");
            displayDataInTable();
        }
        else{
            JOptionPane.showMessageDialog(this, "Updated Failed..");
        }
    }catch(SQLException e){
```

```
e.printStackTrace();  
}  
  
}
```

DELETE

```
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
    try{  
        Connection conn = DriverManager.getConnection(url,username,pswd);  
        String query = "DELETE FROM student WHERE name = ?";  
        PreparedStatement ps = conn.prepareStatement(query);  
        ps.setString(1, upname);  
        int count = ps.executeUpdate();  
        if(count>=1)  
        {  
            JOptionPane.showMessageDialog(this, "Deleted sucessfully..");  
            displayDataInTable();  
        }  
        else{  
            JOptionPane.showMessageDialog(this, "Deletion Failed..");  
        }  
    }catch(SQLException e){  
  
        e.printStackTrace();  
    }  
}
```