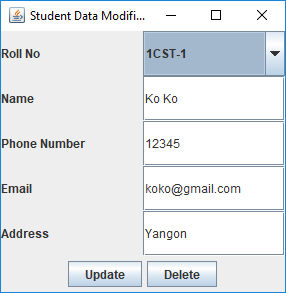
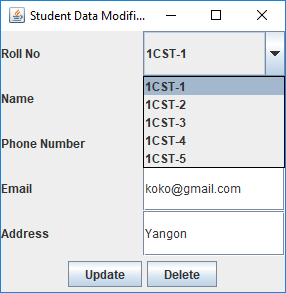
**UPDATE and DELETE**

Ex 1.

1. Form Load Design must be as follow:



1. In drop down list, bind all roll numbers.



1. When selected data has been changed in Roll No drop down list, show all data associated with selected roll numbers in each text field.
2. When user clicks Update button, update all properties of selected roll no.
3. When user clicks Delete button, delete the record of selected roll no. And then remove from drop down list.

import java.awt.BorderLayout;

import java.awt.Container;

import java.awt.Dimension;

import java.awt.GridLayout;

import java.awt.Toolkit;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import java.awt.event.ItemEvent;

import java.awt.event.ItemListener;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import javax.swing.JButton;

import javax.swing.JComboBox;

import javax.swing.JFrame;

import javax.swing.JLabel;

import javax.swing.JOptionPane;

import javax.swing.JPanel;

import javax.swing.JTextField;

public class UpdateDeleteExample extends JFrame implements ActionListener,ItemListener {

JLabel l1,l2,l3,l4,l5;

JTextField txt2,txt3,txt4,txt5;

JComboBox cboRno;

JButton b1,b2;

Connection conn;

String username = "nts";

String password = "@nts";

String url="jdbc:mysql://localhost:3308/mystudent";

UpdateDeleteExample()

{

super("Student Data Modification");

setSize(300,300);

Dimension d=Toolkit.getDefaultToolkit().getScreenSize();

int x=(int)((d.getWidth()-this.getWidth()))/2;

int y=(int)((d.getHeight()-this.getHeight()))/2;

setLocation(x,y);

setDefaultCloseOperation(EXIT\_ON\_CLOSE);

b1=new JButton("Update");

b2=new JButton("Delete");

l1=new JLabel("Roll No");

l2=new JLabel("Name");

l3=new JLabel("Phone Number");

l4=new JLabel("Email");

l5=new JLabel("Address");

cboRno=new JComboBox();

createDB();

Statement st;

try {

st = conn.createStatement();

String query="select distinct(strrno) from studentbcmm";

ResultSet rs = st.executeQuery(query);

while (rs.next())

{

cboRno.addItem(rs.getString(1));

}

}

catch (SQLException e) {

e.printStackTrace();

}

txt2=new JTextField(20);

txt3=new JTextField(20);

txt4=new JTextField(20);

txt5=new JTextField(20);

JPanel p=new JPanel();

p.setLayout(new GridLayout(5,2));

p.add(l1);

p.add(cboRno);

p.add(l2);

p.add(txt2);

p.add(l3);

p.add(txt3);

p.add(l4);

p.add(txt4);

p.add(l5);

p.add(txt5);

Container c=getContentPane();

c.add(p,BorderLayout.CENTER);

JPanel p2=new JPanel();

p2.add(b1);

p2.add(b2);

c.add(p2,BorderLayout.SOUTH);

b1.addActionListener(this);

b2.addActionListener(this);

cboRno.addItemListener(this);

cboRno.setSelectedIndex(0);

showData();

show();

}

void createDB()

{

try{

Class.forName ("com.mysql.jdbc.Driver");

conn = DriverManager.getConnection (url, username, password);

}

catch(Exception e)

{

System.out.println("connection error");

}

}

@Override

public void actionPerformed(ActionEvent e) {

if(e.getSource()==b1)

{

createDB();

int len;

String query;

PreparedStatement stmt2 = null;

int res=JOptionPane.showConfirmDialog(this,"Are u sure u want to modify");

if(res==0)

{

try {

stmt2 = conn.prepareStatement("update studentbcmm set sname=?,phno=?,email=?,address=? where strrno=?" );

} catch (SQLException ex) {

ex.printStackTrace();

}

try {

String strrno=cboRno.getSelectedItem().toString();

String sname=txt2.getText();

stmt2.setString(1,sname);

stmt2.setInt(2,Integer.parseInt(txt3.getText()));

stmt2.setString(3,txt4.getText());//stmt2.setInt(4,txt4.getText());

stmt2.setString(4,txt5.getText());

stmt2.setString(5,strrno);

stmt2.executeUpdate();

stmt2.close ();

conn.close ();

JOptionPane.showMessageDialog(this,"Data has been updated","Inform",1);

} catch (SQLException ex) {

ex.printStackTrace();

}

}

}

else if(e.getSource()==b2)

{

createDB();

int len;

String query;

PreparedStatement stmt2 = null;

int res=JOptionPane.showConfirmDialog(this,"Are u sure u want to remove");

if(res==0)

{

try {

stmt2 = conn.prepareStatement("delete from studentbcmm where strrno=?" );

} catch (SQLException ex) {

ex.printStackTrace();

}

try {

String strrno=cboRno.getSelectedItem().toString();

stmt2.setString(1,strrno);

stmt2.executeUpdate();

stmt2.close ();

conn.close ();

JOptionPane.showMessageDialog(this,"One has been deleted","Inform",1);

} catch (SQLException ex) {

ex.printStackTrace();

}

this.dispose();

new UpdateDeleteExample();

}

}

}

public static void main(String[] args) {

new UpdateDeleteExample();

}

@Override

public void itemStateChanged(ItemEvent e1) {

if(e1.getSource()==cboRno)

{

showData();

}

}

private void showData() {

createDB();

PreparedStatement stmt2 = null;

try {

String query="select \* from studentbcmm where strrno=?";

stmt2 = conn.prepareStatement(query);

stmt2.setString(1,cboRno.getSelectedItem().toString());

ResultSet rs = stmt2.executeQuery();

String s="Roll No\tName\tPhone\tEmail\tAddress\n";

while (rs.next())

{

txt2.setText(rs.getString("sname"));

txt3.setText(rs.getInt("phno")+"");

txt4.setText(rs.getString("email"));

txt5.setText(rs.getString("address"));

}

stmt2.close();

conn.close();

} catch (SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

}

}