

**Practical 2a: Registration**

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

/**
 *
 * @author bot
 */
public class pract2A extends javax.swing.JFrame {

    /**
     * Creates new form pract2A
     */
    public pract2A() {
        initComponents();
    }

    /**
     * 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();
        jTextField1 = new javax.swing.JTextField();
    }
}
```

```
textField2 = new javax.swing.JTextField();
textField3 = new javax.swing.JTextField();
button1 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

label1.setText("Username");

label2.setText("Password");

label3.setText("Mobile no");

button1.setText("Register");
button1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        button1ActionPerformed(evt);
    }
});

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(label1)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(label2)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(label3)
            .addGap(51, 51, 51)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                .addComponent(textField3)
                .addComponent(textField2)
                .addComponent(textField1, javax.swing.GroupLayout.PREFERRED_SIZE, 100,
                    javax.swing.GroupLayout.PREFERRED_SIZE))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(button1)
            .addGap(76, 76, 76))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(textField1)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(textField2)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(textField3)
            .addGap(51, 51, 51)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                .addComponent(label1)
                .addComponent(label2)
                .addComponent(label3)
                .addGap(51, 51, 51)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                    .addComponent(textField3)
                    .addComponent(textField2)
                    .addComponent(textField1, javax.swing.GroupLayout.PREFERRED_SIZE, 100,
                        javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(button1)
                .addGap(76, 76, 76))
            .addContainerGap())
    );
```

```

        .addGap(86, 86, 86))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(70, 70, 70)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel1)
                .addComponent(jTextField1, 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.BASELINE)
                .addComponent(jLabel2)
                .addComponent(jTextField2, 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.BASELINE)
                .addComponent(jLabel3)
                .addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(18, 18, 18)
            .addComponent(jButton1)
            .addContainerGap(72, Short.MAX_VALUE))
        );

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

```

```

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try {
        String uname= jTextField1.getText();
        String pass= jTextField2.getText();
        String mobilen= jTextField3.getText();
        Integer maxid = 0;

```

Connection

```

conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/loginform?autoReconnect=true&use
SSL=false", "root", "root");
Statement stmt =conn.createStatement();
String sql= "select max(id) from myrecord";
ResultSet result=stmt.executeQuery(sql);

```

```

        if(result.next()){
            maxid = result.getInt(1);
            //JOptionPane.showMessageDialog(this,String.valueOf(maxid));
            maxid+=1;
        }
        sql="insert into myrecord values("+ maxid +","
            +uname+"",""+pass+"",""+mobilenos+"");";
        stmt.executeUpdate(sql);
        JOptionPane.showMessageDialog(this, "registered");

    } catch (SQLException ex) {
        Logger.getLogger(pract2A.class.getName()).log(Level.SEVERE, null, ex);
    }

}

/**
 * @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(pract2A.class.getName()).log(java.util.logging.Level.SEVERE,
        null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(pract2A.class.getName()).log(java.util.logging.Level.SEVERE,
        null, ex);
    } catch (IllegalAccessException ex) {

```

```
        java.util.logging.Logger.getLogger(pract2A.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(pract2A.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 pract2A().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField2;
private javax.swing.JTextField jTextField3;
// End of variables declaration
}
```

**Output:**

The screenshot displays a Java Swing application running in the NetBeans IDE. The application window shows a registration form with three text fields: "Username" (containing "nikhil"), "Password" (containing "password"), and "Mobile no" (containing "8888645622"). A "Register" button is located below the fields. A message dialog box titled "Message" is displayed in the foreground, showing an information icon and the text "registered", with an "OK" button.

The NetBeans IDE interface is visible in the background. The "Design" tab is active, showing the visual layout of the form. The "Properties" window on the right shows the properties for the selected "Register" button. The "Output" window at the bottom shows the execution of SQL queries in a MySQL Shell.

The MySQL Shell output shows the following commands and results:

```
MySQL localhost:33060+ ssl loginform SQL > create table myrecord(id int ,
->                                     username varchar(20),
->                                     password varchar(20),
->                                     mobileno varchar(10)
->                                     );
Query OK, 0 rows affected (1.0235 sec)
MySQL localhost:33060+ ssl loginform SQL > select * from myrecord;
Empty set (0.0005 sec)
MySQL localhost:33060+ ssl loginform SQL > select * from myrecord;
+----+-----+-----+-----+
| id | username | password | mobileno |
+----+-----+-----+-----+
| 1  | nick    | nick    | 8010531970 |
| 2  | nikhil  | password | 8888645622 |
+----+-----+-----+-----+
2 rows in set (0.0013 sec)
MySQL localhost:33060+ ssl loginform SQL >
```

**Practical 2b: login**

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

/**
 *
 * @author bot
 */
public class NewJFrame extends javax.swing.JFrame {

    /**
     * Creates new form NewJFrame
     */
    public NewJFrame() {
        initComponents();
    }

    /**
     * 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() {

        jTextField1 = new javax.swing.JTextField();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
    }
}
```

```
jButton1 = new javax.swing.JButton();
jPasswordField1 = new javax.swing.JPasswordField();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jLabel1.setText("Username");

jLabel2.setText("Password");

jButton1.setText("submit");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jPasswordField1.setText("jPasswordField1");

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addContainerGap()
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(layout.createSequentialGroup()
                    .addGap(10, 10, 10)
                    .addComponent(jLabel1)
                    .addGap(10, 10, 10)
                    .addComponent(jLabel2)
                    .addGap(10, 10, 10)
                    .addComponent(jTextField1, javax.swing.GroupLayout.DEFAULT_SIZE, 74,
Short.MAX_VALUE)
                    .addComponent(jPasswordField1, javax.swing.GroupLayout.PREFERRED_SIZE, 1,
Short.MAX_VALUE)))
                .addGroup(layout.createSequentialGroup()
                    .addGap(10, 10, 10)
                    .addComponent(jButton1)))
            .addContainerGap(73, Short.MAX_VALUE))
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap(10, 10, 10)
                .addComponent(jButton1)))
            .addContainerGap(73, Short.MAX_VALUE))
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addContainerGap()
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(layout.createSequentialGroup()
                    .addGap(10, 10, 10)
                    .addComponent(jLabel1)
                    .addGap(10, 10, 10)
                    .addComponent(jLabel2)
                    .addGap(10, 10, 10)
                    .addComponent(jTextField1, javax.swing.GroupLayout.DEFAULT_SIZE, 74,
Short.MAX_VALUE)
                    .addComponent(jPasswordField1, javax.swing.GroupLayout.PREFERRED_SIZE, 1,
Short.MAX_VALUE)))
                .addGroup(layout.createSequentialGroup()
                    .addGap(10, 10, 10)
                    .addComponent(jButton1)))
            .addContainerGap(73, Short.MAX_VALUE))
);
```



```

        .addGroup(layout.createSequentialGroup())
        .addGap(102, 102, 102)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel1))
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel2)
            .addComponent(jPasswordField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addComponent(jButton1)
        .addContainerGap(101, Short.MAX_VALUE))
    );

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

```

```

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

    // TODO add your handling code here:
    String uname=jTextField1.getText();
    String pass;
    pass = String.valueOf(jPasswordField1.getPassword());
    //JOptionPane.showMessageDialog(this, pass);
    try {
        Connection con
=DriverManager.getConnection("jdbc:mysql://localhost:3306/loginform?autoReconnect=true&useSSL=f
alse","root","root");
        Statement stmt=con.createStatement();
        String sql="select * from myrecord where username='"+uname+"' and password='"+pass+"";

        //JOptionPane.showMessageDialog(this, sql);
        ResultSet r=stmt.executeQuery(sql);

        if(r.next())
        {JOptionPane.showMessageDialog(this, "sucess");}
        else
        {{JOptionPane.showMessageDialog(this, "unsucess");}}
    }
}

```

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

}

/**
 * @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 :
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>
```

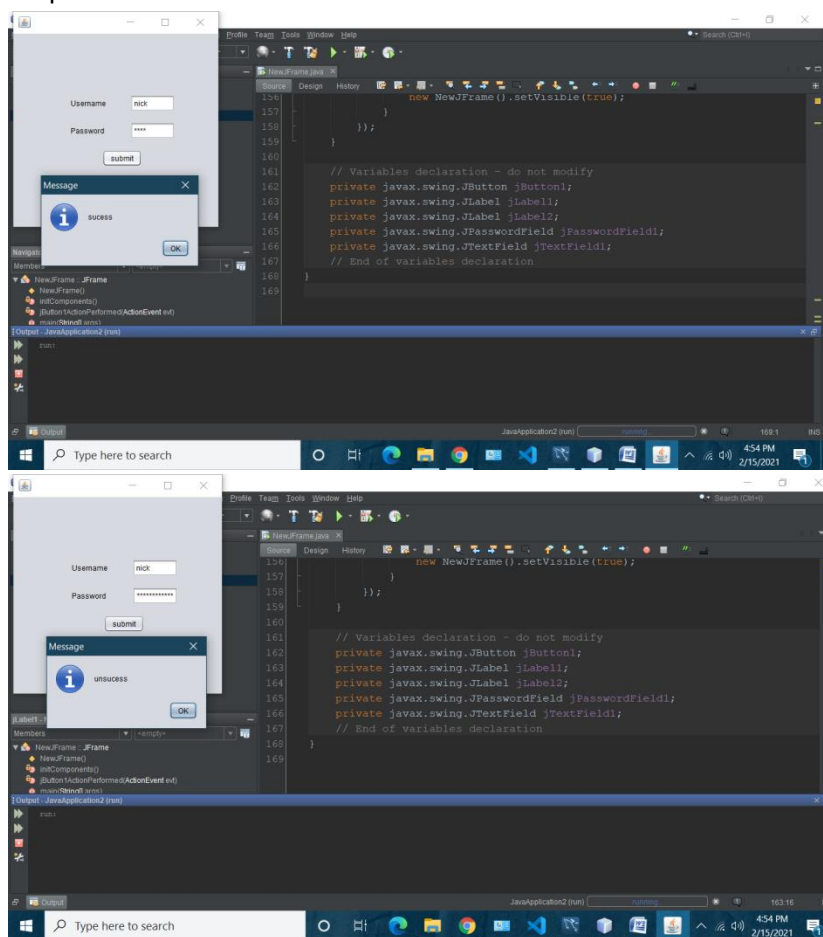
```

/* 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.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JPasswordField jPasswordField1;
private javax.swing.JTextField jTextField1;
// End of variables declaration
}

```

Output:



**Practical 2C: Change Password**

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

/**
 *
 * @author bot
 */
public class chgpass extends javax.swing.JFrame {

    /**
     * Creates new form chgpass
     */
    public chgpass() {
        initComponents();
    }

    /**
     * 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();
jLabel4 = new javax.swing.JLabel();
jTextField1 = new javax.swing.JTextField();
jTextField3 = new javax.swing.JTextField();
jButton1 = new javax.swing.JButton();
jPasswordField1 = new javax.swing.JPasswordField();
jPasswordField2 = new javax.swing.JPasswordField();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jLabel1.setText("Usernme");

jLabel2.setText("Old Password");

jLabel3.setText("Mobile no");

jLabel4.setText("New Password");

jTextField1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField1ActionPerformed(evt);
    }
});

jButton1.setText("Update Password");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jPasswordField1.setText("jPasswordField1");

jPasswordField2.setText("jPasswordField2");

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addContainerGap()
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jTextField1)
                .addComponent(jTextField3)
                .addComponent(jButton1)
                .addComponent(jPasswordField1)
                .addComponent(jPasswordField2)
            )
        )
);

```

```
.addGap(71, 71, 71)
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
    .addComponent(jLabel4)
    .addComponent(jLabel3)
    .addComponent(jLabel2)
    .addComponent(jLabel1))
.addGap(64, 64, 64)
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
    .addComponent(jTextField1)
    .addComponent(jTextField3)
    .addComponent(jPasswordField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jPasswordField2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
.addGroup(layout.createSequentialGroup()
    .addGap(134, 134, 134)
    .addComponent(jButton1)))
.addContainerGap(60, Short.MAX_VALUE))
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addGap(69, 69, 69)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel1))
        .addGap(29, 29, 29)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel2)
            .addComponent(jPasswordField1, 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.BASELINE)
            .addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel3))
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jLabel4)
            .addComponent(jPasswordField2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
.addGap(18, 18, 18)
.addComponent(jButton1)
.addContainerGap(24, Short.MAX_VALUE))
);

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

private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try {
        String uname= jTextField1.getText();
        String pass= String.valueOf(jPasswordField1.getPassword());
        String mobilen= jTextField3.getText();
        String newpass= String.valueOf(jPasswordField2.getPassword());

        Connection
conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/loginform?autoReconnect=true&use
SSL=false", "root", "root");
        Statement stmt =conn.createStatement();
        String sql= "select id from myrecord where username='"+ uname
            + "' and password='"+pass+"' and mobilen='"+mobilen+"";
        ResultSet result=stmt.executeQuery(sql);
        if(result.next()){
            sql="update myrecord set password='"+newpass+"' where id='"+result.getInt(1)+"";
            stmt.executeUpdate(sql);
            JOptionPane.showMessageDialog(this,"your password has been updated");
        }
        else{
            JOptionPane.showMessageDialog(this,"your credentials do not match");
        }

    } catch (SQLException ex) {
        Logger.getLogger(pract2A.class.getName()).log(Level.SEVERE, null, ex);
    }
}
```

```
    }

}

/**
 * @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(chgpass.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(chgpass.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(chgpass.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(chgpass.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 chgpass().setVisible(true);
    }
});
});
```

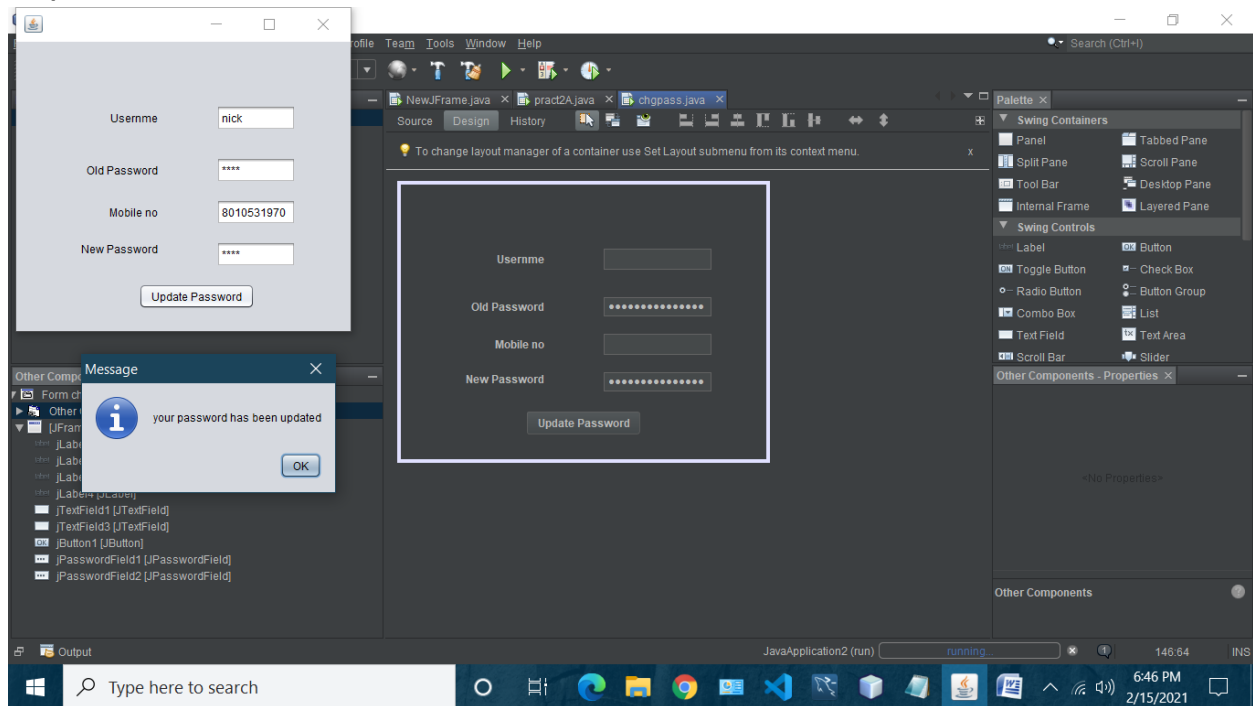


```

}

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JPasswordField jPasswordField1;
private javax.swing.JPasswordField jPasswordField2;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField3;
// End of variables declaration
}

```

**Output:**

The image shows two screenshots of a computer screen. The top screenshot displays a MySQL Shell window with the following SQL queries and results:

```
MySQL localhost:33060+ ssl loginform SQL > select * from myrecord;
```

id	username	password	mobilen
1	nick	nick	8010531970
2	nikhil	password	8888645622

2 rows in set (0.0004 sec)

```
MySQL localhost:33060+ ssl loginform SQL > select * from myrecord;
```

id	username	password	mobilen
1	nick	pass	8010531970
2	nikhil	password	8888645622

2 rows in set (0.0210 sec)

```
MySQL localhost:33060+ ssl loginform SQL >
```

The bottom screenshot shows a Java Swing application window titled "Update Password". The window contains four text fields: "Username" (with "nick" entered), "Old Password" (with "\*\*\*\*\*" entered), "Mobile no" (with "888864524" entered), and "New Password" (with "\*\*\*\*\*" entered). Below the fields is an "Update Password" button. A "Message" dialog box is displayed over the application, stating "your credentials do not match" with an "OK" button. The background shows the IntelliJ IDEA IDE interface with a project named "chgpas.java" and a "Palette" window on the right. The bottom status bar indicates the application is running.

**Practical 2D: Delete Account**

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

/**
 *
 * @author bot
 */
public class Pract2D extends javax.swing.JFrame {

    /**
     * Creates new form Pract2D
     */
    public Pract2D() {
        initComponents();
    }

    /**
     * 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();
jTextField1 = new javax.swing.JTextField();
jTextField3 = new javax.swing.JTextField();
jButton1 = new javax.swing.JButton();
jPasswordField1 = new javax.swing.JPasswordField();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jLabel1.setText("Usernme");

jLabel2.setText("Password");

jLabel3.setText("Mobile no");

jTextField1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField1ActionPerformed(evt);
    }
});

jButton1.setText("Delete record");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jPasswordField1.setText("jPasswordField1");

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addContainerGap()
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jLabel3)
                .addComponent(jLabel2))
            .addContainerGap(77, Short.MAX_VALUE))
        .addGroup(layout.createSequentialGroup()
            .addComponent(jTextField1)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jPasswordField1)
            .addContainerGap(77, Short.MAX_VALUE))
        .addGroup(layout.createSequentialGroup()
            .addComponent(jButton1)
            .addContainerGap(77, Short.MAX_VALUE))
);
```

```
        .addComponent(jLabel1))
        .addGap(64, 64, 64)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
            .addComponent(jTextField1)
            .addComponent(jTextField3)
            .addComponent(jPasswordField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGroup(layout.createSequentialGroup()
            .addGap(137, 137, 137)
            .addComponent(jButton1)))
        .addContainerGap(82, Short.MAX_VALUE))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel1))
                .addGap(29, 29, 29)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jPasswordField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel2))
                .addGap(18, 18, 18)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel3))
                .addGap(36, 36, 36)
                .addComponent(jButton1)
                .addContainerGap(46, Short.MAX_VALUE))
            );

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

private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}
```

```

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try {
        String uname= jTextField1.getText();
        String pass= String.valueOf(jPasswordField1.getPassword());
        String mobileno= jTextField3.getText();

        Connection
conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/loginform?autoReconnect=true&use
SSL=false", "root", "root");
        Statement stmt =conn.createStatement();
        String sql= "select id from myrecord where username='"+ uname
+ "' and password='"+pass+"' and mobileno='"+mobileno+"'";
        ResultSet result=stmt.executeQuery(sql);
        if(result.next()){
            sql="Delete from myrecord where id='"+result.getInt(1)+"'";
            stmt.executeUpdate(sql);
            JOptionPane.showMessageDialog(this,"your Account has been Deleted");
        }
        else{
            JOptionPane.showMessageDialog(this,"Record does not exist");
        }

    } catch (SQLException ex) {
        Logger.getLogger(pract2A.class.getName()).log(Level.SEVERE, null, ex);
    }

}

/**
 * @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(Pract2D.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
} catch (InstantiationException ex) {
    java.util.logging.Logger.getLogger(Pract2D.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
} catch (IllegalAccessException ex) {
    java.util.logging.Logger.getLogger(Pract2D.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
} catch (javax.swing.UnsupportedLookAndFeelException ex) {
    java.util.logging.Logger.getLogger(Pract2D.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 Pract2D().setVisible(true);
    }
});
}

```

```

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JPasswordField jPasswordField1;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField3;
// End of variables declaration
}

```

**Output:**

The screenshot shows a Java Swing application running in NetBeans IDE. The application has a login form with fields for Username, Password, and Mobile no, and a Delete record button. A message dialog box displays "your Account has been Deleted". The MySQL Shell shows the deletion of a record from the myrecord table.

**MySQL Shell**

```
MySQL localhost:33060+ ssl loginform SQL > select * frm myrecord;
ERROR: 1064: You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'f
rm myrecord' at line 1
MySQL localhost:33060+ ssl loginform SQL > select * from myrecord;
+----+-----+-----+-----+
| id | username | password | mobileno |
+----+-----+-----+-----+
| 2 | nikhil | password | 8888645622 |
| 3 | nick | nick | 8010531970 |
+----+-----+-----+-----+
2 rows in set (0.0156 sec)
MySQL localhost:33060+ ssl loginform SQL > select * from myrecord;
+----+-----+-----+-----+
| id | username | password | mobileno |
+----+-----+-----+-----+
| 2 | nikhil | password | 8888645622 |
+----+-----+-----+-----+
1 row in set (0.0004 sec)
MySQL localhost:33060+ ssl loginform SQL >
```



