

Nama : Restu Lestari Mulianingrum

NIM : A11.2022.14668

Kelompok : A11.4415

PRAKTIKUM 14

Form Login

frmLogin.java

```
package com.restu.prjpenjualan;
import java.sql.*;
import javax.swing.*;
import javax.swing.JOptionPane;
/**
 *
 * @author Restu
 */

public class frmLogin extends javax.swing.JFrame {
    Connection Con;
    ResultSet RsUser;
    Statement stm;
    String user_name;
    /** Creates new form frmLogin */
    public frmLogin() {
        initComponents();
        open_db();
    }
    public void setUser(String user_nama)
    {
        this.user_name=user_name;
    }
    public String getUser()
    {
        return this.user_name;
    }
    /** 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">//GEN-BEGIN: initComponents
private void initComponents() {

    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    txtUserId = new javax.swing.JTextField();
    cmdOk = new javax.swing.JButton();
    cmdBatal = new javax.swing.JButton();
    txtPassword = new javax.swing.JPasswordField();
    jLabel3 = new javax.swing.JLabel();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jLabel1.setText("User Id");

    jLabel2.setText("Password");

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

    cmdOk.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/prjpenjualan/OK1.JPG"))); //
NOI18N
    cmdOk.setText("OK");
    cmdOk.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            cmdOkActionPerformed(evt);
        }
    });

    cmdBatal.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/prjpenjualan/BATAL.JPG")));
// NOI18N
    cmdBatal.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            cmdBatalActionPerformed(evt);
        }
    });

    jLabel3.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/prjpenjualan/GEMBOK.JPG")));
// NOI18N

```

```

        javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(layout.createSequentialGroup()
                    .addGap(105, 105, 105)
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                        .addGroup(layout.createSequentialGroup()
                            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                .addComponent(jLabel2)
                                .addComponent(jLabel1))
                            .addGap(55, 55, 55)
                            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
                                .addComponent(txtPassword)
                                .addComponent(txtUserId,
javax.swing.GroupLayout.PREFERRED_SIZE, 97,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
                                .addComponent(cmdOk,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                                .addComponent(cmdBatal,
javax.swing.GroupLayout.PREFERRED_SIZE, 93,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                            .addGap(10, 10, 10)
                            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                                .addComponent(cmdOk,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                                .addComponent(cmdBatal,
javax.swing.GroupLayout.PREFERRED_SIZE, 93,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                        .addGap(105, 105, 105)
                    )
                )
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(layout.createSequentialGroup()
                    .addGap(10, 10, 10)
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(layout.createSequentialGroup()
                            .addComponent(cmdOk,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                            .addComponent(cmdBatal,
javax.swing.GroupLayout.PREFERRED_SIZE, 93,
javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGap(10, 10, 10)
                        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                            .addComponent(txtPassword)
                            .addComponent(txtUserId,
javax.swing.GroupLayout.PREFERRED_SIZE, 97,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    )
                )
        );
    }
}

```

```

        .addComponent(txtUserId,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel1))
        .addGap(12, 12, 12)
        .addGroup(layout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.BASELINE)
        .addComponent(jLabel2)
        .addComponent(txtPassword,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPl
acement.RELATED, 14, Short.MAX_VALUE)
        .addGroup(layout.createParallelGroup(javax.swing.Gro
upLayout.Alignment.BASELINE)
        .addComponent(cmdOk)
        .addComponent(cmdBatal,
javax.swing.GroupLayout.PREFERRED_SIZE, 55,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGroup(layout.createSequentialGroup()
        .addComponent(jLabel3,
javax.swing.GroupLayout.DEFAULT_SIZE, 116, Short.MAX_VALUE)
        .addGap(18, 18, 18)))
        .addGap(44, 44, 44))
    );

    setSize(new java.awt.Dimension(362, 223));
    setLocationRelativeTo(null);
} // </editor-fold> // GEN-END: initComponents

private void txtUserIdActionPerformed(java.awt.event.ActionEvent evt)
{ // GEN-FIRST: event_txtUserIdActionPerformed
    // TODO add your handling code here:
} // GEN-LAST: event_txtUserIdActionPerformed

private void cmdOkActionPerformed(java.awt.event.ActionEvent evt)
{ // GEN-FIRST: event_cmdOkActionPerformed
    // TODO add your handling code here:
    try{
        char[] input = txtPassword.getPassword();
        String password;
        password = new String(input);

        stm = Con.createStatement();
        RsUser = stm.executeQuery("select * from users where
user_id='"+txtUserId.getText()+"' and password=md5('"+password+"')");
    }
}

```

```

        int baris=0;
        while(RsUser.next()) {
            baris = RsUser.getRow();
            // System.out.print(baris);

        }

        if(baris==1)
        {
            int psn= JOptionPane.showConfirmDialog(null, "User dan Password Cocok", "Pesan", JOptionPane.YES_NO_OPTION);

            System.out.println("User dan Password Cocok "+psn);
            // System.exit(0);
            user_name=txtUserId.getText();
            System.out.println("User Name : "+user_name);
            dispose();
            new FrmMenu(user_name).setVisible(true);

        }
        else
        {
            JOptionPane.showMessageDialog(null, "User atau Password tdk Cocok -> "+txtUserId.getText()+" --> "+password);
            //System.out.println("User atau Password tidak Cocok");
        }

    }

    catch(SQLException e){
        JOptionPane.showMessageDialog(null, e);
    }
} //GEN-LAST:event_cmdOkActionPerformed

private void cmdBatalActionPerformed(java.awt.event.ActionEvent evt)
{ //GEN-FIRST:event_cmdBatalActionPerformed
    // TODO add your handling code here:
    System.exit(0);
} //GEN-LAST:event_cmdBatalActionPerformed

private void open_db()
{
    try{
        // KoneksiMysql kon= new KoneksiMysql("penjualan");
        KoneksiMysql kon = new KoneksiMysql
("localhost","root","","penjualan");
        Con = kon.getConnection();
        //System.out.println("Berhasil ");
    }catch (Exception e) {

```

```

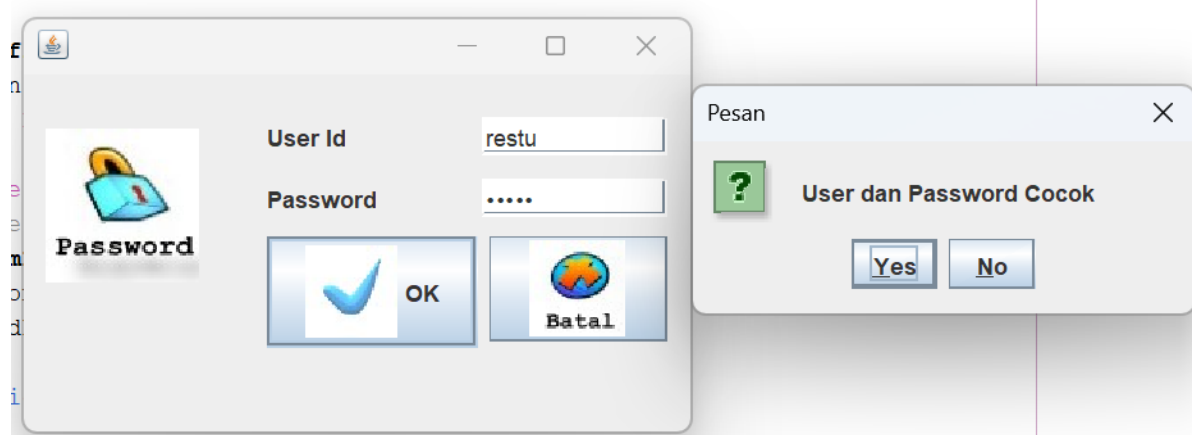
        System.out.println("Error : "+e);
    }
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new frmLogin().setVisible(true);
        }
    });
}

// Variables declaration - do not modify//GEN-BEGIN:variables
private javax.swing.JButton cmdBatal;
private javax.swing.JButton cmdOk;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JPasswordField txtPassword;
private javax.swing.JTextField txtUserId;
// End of variables declaration//GEN-END:variables
}

```

Output



Form Backup

frmBackup.java

```

/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-
 * default.txt to change this license
 */

```

```

    * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to
    edit this template
    */
package prjpenjualan;
import java.io.IOException;
import java.util.logging.*;
import javax.swing.*;
/**
 *
 * @author Restu
 */
public class frmBackup extends javax.swing.JFrame {

    /**
     * Creates new form frmBackup
     */
    public frmBackup() {
        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"> //GEN-
    BEGIN:initComponents
        private void initComponents() {

            jLabel1 = new javax.swing.JLabel();
            cmdOke = new javax.swing.JButton();
            cmdCancel = new javax.swing.JButton();

            setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

            jLabel1.setText("Proses.....");

            cmdOke.setText("OK");
            cmdOke.addActionListener(new java.awt.event.ActionListener() {
                public void actionPerformed(java.awt.event.ActionEvent evt) {
                    cmdOkeActionPerformed(evt);
                }
            });

            cmdCancel.setText("Cancel");

```

```

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

        javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
                .addGroup(layout.createSequentialGroup()
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout
.Alignment.LEADING)
                        .addGroup(layout.createSequentialGroup()
                            .add(layout.createParallelGroup(javax.swing.Grou
pLayout.Alignment.LEADING)
                                .add(layout.createSequentialGroup()
                                    .addGap(154, 154, 154)
                                    .addComponent(jLabel1))
                                .addGroup(layout.createSequentialGroup()
                                    .addGap(96, 96, 96)
                                    .addComponent(cmdOke)
                                    .addGap(35, 35, 35)
                                    .addComponent(cmdCancel)))
                            .addContainerGap(80, Short.MAX_VALUE))
                        .add(layout.createSequentialGroup()
                            .add(layout.createParallelGroup(javax.swing.Grou
pLayout.Alignment.LEADING)
                                .add(layout.createSequentialGroup()
                                    .addGap(53, 53, 53)
                                    .addComponent(jLabel1)
                                    .addGap(18, 18, 18)
                                    .addGroup(layout.createParallelGroup(jav
ax.swing.GroupLayout.Alignment.BASELINE)
                                        .addComponent(cmdOke)
                                        .addComponent(cmdCancel))
                                    .addContainerGap(50, Short.MAX_VALUE))
                                .add(layout.createSequentialGroup()
                                    .addGap(154, 154, 154)
                                    .addComponent(cmdCancel)))
                            .addContainerGap(80, Short.MAX_VALUE))
                    )
                );

        pack();
    } // </editor-fold> // GEN-END: initComponents

    private void cmdOkeActionPerformed(java.awt.event.ActionEvent evt)
{ // GEN-FIRST: event_cmdOkeActionPerformed
    String executeCmd;
    executeCmd = "C:/xampp/mysql/bin/mysqldump -uroot penjualan -r
D:\\prjpenjualan\\penjualan.sql"; // ganti sesuai dengan nama user & nama
database mysql anda

```



```

try {
    Process runtime = Runtime.getRuntime().exec(executeCmd);
    try {
        int prosescomplete = runtime.waitFor();
        if (prosescomplete==0){
            JOptionPane.showMessageDialog(rootPane, "Backup sukses!");
        }else{
            JOptionPane.showMessageDialog(rootPane, "Backup gagal!");
        }
    } catch (InterruptedException ex) {
        Logger.getLogger(frmBackup.class.getName()).log(Level.SEVERE, null, ex);
    }
    } catch (IOException ex) {
        Logger.getLogger(frmBackup.class.getName()).log(Level.SEVERE, null, ex);
    }
    } //GEN-LAST:event_cmdOkeActionPerformed

    private void cmdCancelActionPerformed(java.awt.event.ActionEvent evt)
{ //GEN-FIRST:event_cmdCancelActionPerformed
    dispose();
    } //GEN-LAST:event_cmdCancelActionPerformed

    /**
     * @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(frmBackup.class.getName()).lo
g(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

```

```

        java.util.logging.Logger.getLogger(frmBackup.class.getName()).log(
java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(frmBackup.class.getName()).log(
java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(frmBackup.class.getName()).log(
java.util.logging.Level.SEVERE, null, ex);
    }
//</editor-fold>
//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new frmBackup().setVisible(true);
    }
});
}

// Variables declaration - do not modify//GEN-BEGIN:variables
private javax.swing.JButton cmdCancel;
private javax.swing.JButton cmdOke;
private javax.swing.JLabel jLabel1;
// End of variables declaration//GEN-END:variables
}

```

Output

