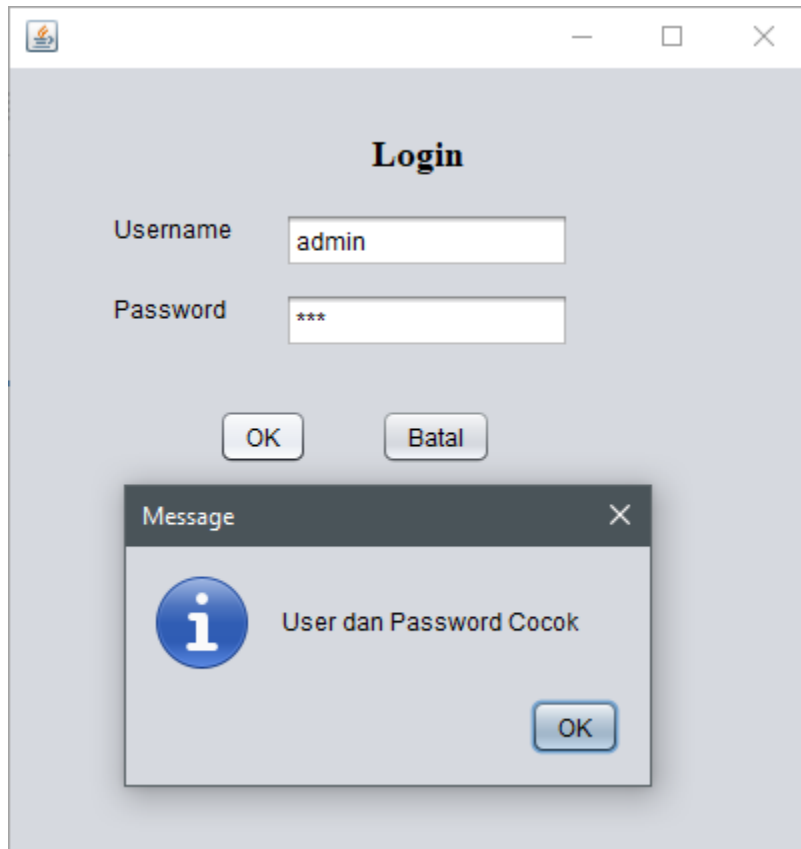


Mata Kuliah : PBO – TI – S1
Pertemuan : 14 Login & Backup Database
NIM : A11.2022.14532
Nama : Najma Aura Dias Prameswari

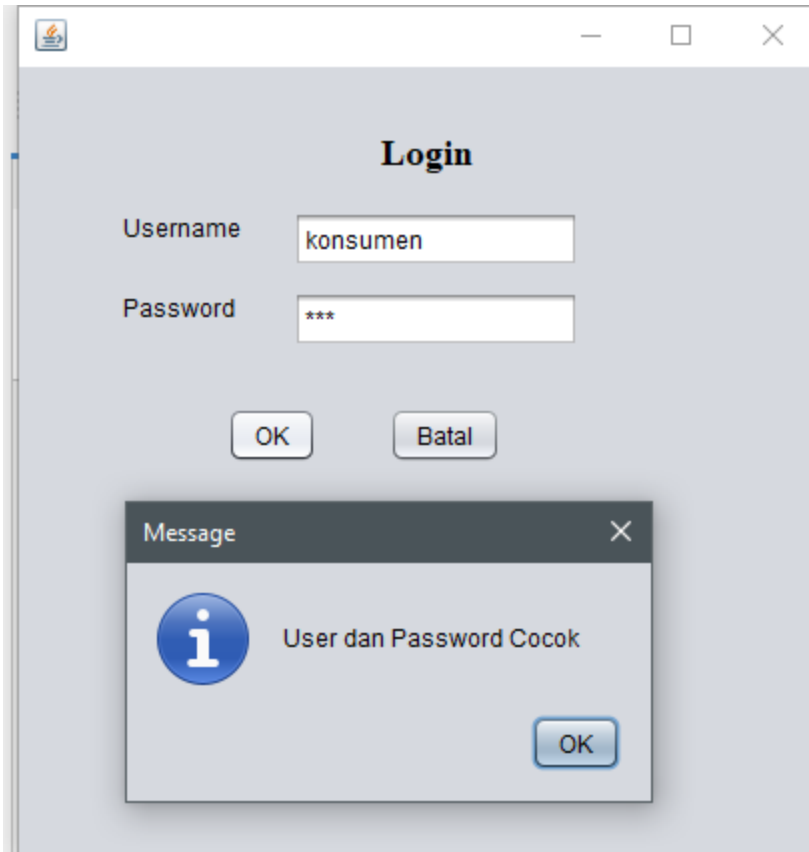
1. Tugas 1 : membuat form login

Hasil program :

User admin :



User konsumen :



Code program :

Atribut database user :

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1 id	int(4)			No	None		AUTO_INCREMENT	Change Drop More
<input type="checkbox"/>	2 user_id	varchar(10)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	3 name	varchar(30)	utf8mb4_general_ci		No	None			Change Drop More
<input type="checkbox"/>	4 password	varchar(254)	utf8mb4_general_ci		No	None			Change Drop More

Data dalam table user :

				id	user_id	name	password
<input type="checkbox"/>	Edit	Copy	Delete	1	admin		123
<input type="checkbox"/>	Edit	Copy	Delete	2	konsumen		345

```
package pjppenjualan;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.sql.Connection;
import javax.swing.JOptionPane;
```

```

public class frmLogin extends javax.swing.JFrame {

    Connection Con;
    ResultSet RsUser;
    Statement stm;

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

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

    private void btn_okActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        try{
            char[] input=txt_password.getPassword();
            String password;
            password = new String(txt_password.getPassword());
            stm = Con.createStatement();
            RsUser=stm.executeQuery("select * from user where user_id='"+txt_username.getText()+"' and password='"+password+"'");
            int baris=0;
            while(RsUser.next()) {
                baris = RsUser.getRow();
            }
            if(baris==1){
                JOptionPane.showMessageDialog(null, "User dan Password Cocok");
                System.exit(0);
            }else{
                JOptionPane.showMessageDialog(null, "User atau Password tdk Cocok -> "+txt_username.getText()+" --> "+password);
            }
        }
        catch(SQLException e){
            JOptionPane.showMessageDialog(null, e);
        }
    }

    RsUser=stm.executeQuery("select * from user where user_id='"+txt_username.getText()+"' and password='"+password+"'");
    JOptionPane.showMessageDialog(null, "User atau Password tdk Cocok -> "+txt_username.getText()+" --> "+password);

167 private void btn_batalActionPerformed(java.awt.event.ActionEvent evt) {
168     // TODO add your handling code here:
169     // System.exit(0);
170     dispose();
171 }

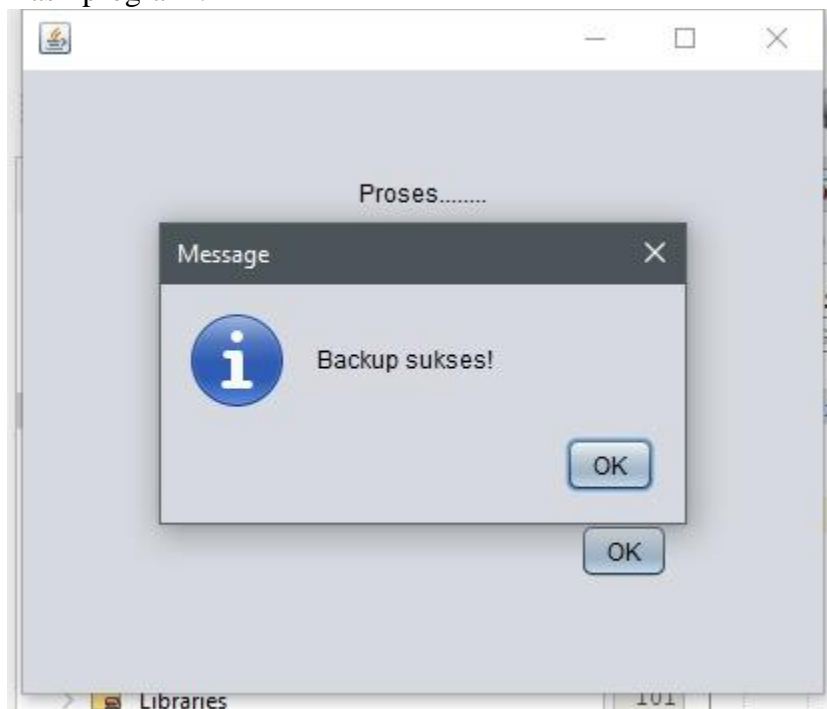
```

```

176 public static void main(String args[]) {
177     /* Set the Nimbus look and feel */
178     Look and feel setting code (optional)
179
180
181
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199
200     /* Create and display the form */
201     java.awt.EventQueue.invokeLater(new Runnable() {
202         public void run() {
203             new frmLogin().setVisible(true);
204         }
205     });
206 }
207
208 // Variables declaration - do not modify
209 private javax.swing.JButton btn_batal;
210 private javax.swing.JButton btn_ok;
211 private javax.swing.JLabel jLabel1;
212 private javax.swing.JOptionPane jOptionPane;
213 private javax.swing.JLabel password;
214 private javax.swing.JPasswordField txt_password;
215 private javax.swing.JTextField txt_username;
216 private javax.swing.JLabel username;
217 // End of variables declaration
218 }

```

2. Tugas 2 : membuat form backup database
Hasil program :



File Explorer view of the directory `latihan_sbd` on the Local Disk (C:).

Name	Date modified	Type	Size
bckjual	30/06/2024 0:15	SQL Source File	6 KB
file_backup1	24/06/2024 10:50	SQL Source File	2 KB

Code program :

```

5   package pjppenjualan;
6
7   import javax.swing.JOptionPane;
8   import java.io.IOException;
9   import java.util.logging.*;

public class frmBackupDatabase extends javax.swing.JFrame {

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

    private void btn_OKActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        String executeCmd;
        executeCmd = "C:/xampp/mysql/bin/mysqldump -u root penjualan -r \"C:\\\\latihan_sbd\\\\bckjual.sql\"";

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

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

```

```

    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        Look and feel setting code (optional)

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

    // Variables declaration - do not modify
    private javax.swing.JButton btn_OK;
    private javax.swing.JButton btn_cancel;
    private javax.swing.JOptionPane jOptionPanel;
    private javax.swing.JLabel proses;
    // End of variables declaration
}

```