

Nama : Vony Ayu Anggraeni

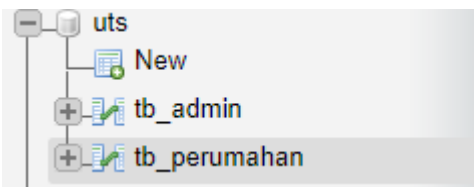
Nim : 18090100

Kelas : 4D

## Manual book Perumahan Dokumentasi

### 1. Membuat data base

- Buka xampp, lalu aktifkan klik start pada Apache dan Mysql dan pilih admin untuk masuk ke phpmyadmin
- Lalu kita buat basis data seperti di bawah ini :



- Bagian table admin kalian bikin seperti di bawah ini :

localhost / 127.0.0.1 / uts / tb\_admin

← → ↺ ↻

localhost/phpmyadmin/tb\_structure.php?db=uts&table=tb\_admin&server=1&target=&token=82b6f957e48f2636fc7ef4b2ef526

☆ V

Apps Gmail Maps YouTube Translate News

phpMyAdmin

Server: 127.0.0.1 • Database: uts • Table: tb\_admin

← Jelajahi Struktur SQL Cari Tambahkan Ekspor Import Hak Akses Operasi Pelacakan Trigger

Terbaru Favorit

New

cdcol

information\_schema

mysql

percobaan

performance\_schema

phpmyadmin

test

uts

tb\_admin

tb\_perumahan

webauth

1 id\_admin

int(11)

Tidak

Tidak ada

AUTO\_INCREMENT

Ubah Hapus Kunci Utama Unik Lainnya

2 username

varchar(25)

latin1\_swedish\_ci

Tidak

Tidak ada

Ubah Hapus Kunci Utama Unik Lainnya

3 password

varchar(32)

latin1\_swedish\_ci

Tidak

Tidak ada

Ubah Hapus Kunci Utama Unik Lainnya

4 last\_login

timestamp

Tidak

CURRENT\_TIMESTAMP

Ubah Hapus Kunci Utama Unik Lainnya

← Pilih Semua Dengan pilihan: Jelajahi Ubah Hapus Kunci Utama Unik Indeks

Tampilkan cetak Tampilkan relasi Usulkan struktur tabel Lacak label Move columns

Tambahkan 1 kolom Pada Akhir Tabel Pada Awal Tabel Setelah id\_admin Kirim

Informasi

Penggunaan ruang

16 KB

Row statistics

Format Compact

Indeks

0 B

Penyortiran

latin1\_swedish\_ci

Jumlah

16 KB

Indeks otomatis berikut

2

Pembuatan

24 Apr 2020 pada 12:38

- Bagian tabel perumahan bikin seperti di bawah ini :

localhost / 127.0.0.1 / uts / tb\_perumahan

←

→

↺

↻

localhost/phpmyadmin/tbl\_structure.php?PMASURL=16-tbl\_structure.php&db=uts&table=tb\_perumahan&server=1&target=&token=62b6f957e848f26336fc7ef4bf2ef526

Apps

Gmail

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News

phpMyAdmin

Terbaru

Favorit

New

tb\_admin

tb\_perumahan

webauth

Server: 127.0.0.1

Menu data

Index: tb\_perumahan

Jelajahi

Struktur

SQL

Carli

Tambahkan

Ekspor

Impor

Hak Akses

Operasi

Pelacakan

Trigger

#	Nama	Jenis	Penyortiran	Atribut	Kosong	Bawaan	Ekstra	Tindakan
1	id	int(10)		Tidak	Tidak ada	AUTO_INCREMENT		Ubah Hapus Kunci Utama Unik Indeks Lainnya
2	nama	varchar(25)	utf8mb4_general_ci	Tidak	Tidak ada			Ubah Hapus Kunci Utama Unik Indeks Lainnya
3	alamat	varchar(50)	utf8mb4_general_ci	Tidak	Tidak ada			Ubah Hapus Kunci Utama Unik Indeks Lainnya
4	no_hp	varchar(14)	utf8mb4_general_ci	Tidak	Tidak ada			Ubah Hapus Kunci Utama Unik Indeks Lainnya
5	email	varchar(25)	utf8mb4_general_ci	Tidak	Tidak ada			Ubah Hapus Kunci Utama Unik Indeks Lainnya
6	pengembang	varchar(100)	utf8mb4_general_ci	Tidak	Tidak ada			Ubah Hapus Kunci Utama Unik Indeks Lainnya
7	tipe	varchar(20)	utf8mb4_general_ci	Tidak	Tidak ada			Ubah Hapus Kunci Utama Unik Indeks Lainnya
8	file	varchar(10)	utf8mb4_general_ci	Tidak	Tidak ada			Ubah Hapus Kunci Utama Unik Indeks Lainnya

←

Pilih Semua

Dengan pilihan

Jelajahi

Ubah

Hapus

Kunci Utama

Unik

Indeks

Tampilkan cepat

Tampilkan relasi

Usulkan struktur tabel

Lacak tabel

Move columns

Tampilkan

1

kolom

Pada Akhir Tabel

Pada Awal Tabel

Setelah

id

Kirim

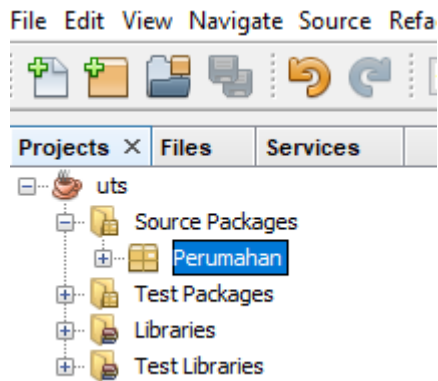
Informasi

Penggunaan ruang		Row statistics	
Data	16 KB	Format	Compact
Indeks	0 B	Penyortiran	latin1_swedish_ci
Jumlah	16 KB	Indeks otomatis berikut	3
		Pembuatan	24 Apr 2020 pada 13:12

- Membuat data base sudah selesai.

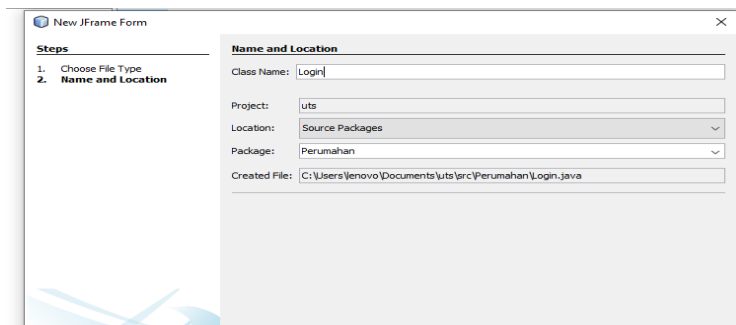
## 2. Menyiapkan Project

- Buka aplikasi Netbeans anda, kemudian buat project baru dengan nama uts.
- Setelah anda membuat project baru buatlah new package dengan nama Perumahan.

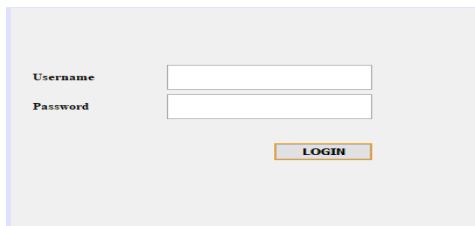


### 3. Membuat kelas

Buat new JFrame Form dengan nama Login.



### 4. Jframen Login



Ini Source code login :

```
package Perumahan;
import java.awt.Frame;
import java.security.MessageDigest;
import java.security.NoSuchAlgorithmException;
import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.DriverManager;
import java.sql.Statement;
import javax.swing.JOptionPane;
/**
 *
 * @author vony
 */
public class Login extends javax.swing.JFrame {

    /**
     * Creates new form Login
     */
    public Login() {
        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() {

    jLabel2 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    txtUsername = new javax.swing.JTextField();
    btnLogin = new javax.swing.JButton();
    txtPassword = new javax.swing.JPasswordField();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
    setBackground(new java.awt.Color(255, 153, 0));

    jLabel2.setBackground(new java.awt.Color(255, 153, 0));
    jLabel2.setFont(new java.awt.Font("Times New Roman", 1, 12)); // NOI18N
    jLabel2.setText("Username");

    jLabel3.setBackground(new java.awt.Color(255, 153, 0));
    jLabel3.setFont(new java.awt.Font("Times New Roman", 1, 12)); // NOI18N
    jLabel3.setText("Password");

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

    btnLogin.setBackground(new java.awt.Color(255, 153, 0));
    btnLogin.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
    btnLogin.setText("LOGIN");
    btnLogin.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            btnLoginActionPerformed(evt);
        }
    });

```

```

    }
});

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(19, 19, 19)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(layout.createSequentialGroup()
                    .addComponent(btnLogin, javax.swing.GroupLayout.PREFERRED_SIZE, 84,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGroup(layout.createSequentialGroup()
                        .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 97,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(18, 18, 18)
                        .addComponent(txtPassword, javax.swing.GroupLayout.PREFERRED_SIZE,
176, javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addGroup(layout.createSequentialGroup()
                    .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 97,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(18, 18, 18)
                    .addComponent(txtUsername, javax.swing.GroupLayout.PREFERRED_SIZE,
176, javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addGap(90, Short.MAX_VALUE))
        );
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(78, 78, 78)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(txtUsername, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addComponent(txtPassword, javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(33, 33, 33)
        .addComponent(btnLogin)
        .addContainerGap(92, Short.MAX_VALUE))
    );
    pack();
} // </editor-fold>

```

```

private void btnLoginActionPerformed(java.awt.event.ActionEvent evt) {
    doLogin();
}
private void txtUsernameActionPerformed(java.awt.event.ActionEvent evt) {
}
/**
 * @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(Login.class.getName()).log(java.util.logging.Level.SEVERE
, null, ex);
        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logging.Level.SEVERE
, null, ex);

```

```

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

// Variables declaration - do not modify
private javax.swing.JButton btnLogin;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JPasswordField txtPassword;
private javax.swing.JTextField txtUsername;
// End of variables declaration
public static String md5(String data){
    String hashed = "";
    try {
        MessageDigest md5 = MessageDigest.getInstance("MD5");
        md5.update(data.getBytes());
        byte[] byteData = md5.digest();
        StringBuilder sb = new StringBuilder();
        for (int i = 0; i < byteData.length; i++) {
            sb.append(Integer.toString((byteData[i] & 0xff) +
                0x100, 16).substring(1));
        }
        hashed = sb.toString();
    } catch (NoSuchAlgorithmException e) {
    }
    return hashed;
}
}

```

```

public void doLogin(){
    String user = txtUsername.getText();
    char[] pass = txtPassword.getPassword();
    if (user.isEmpty()) {
        JOptionPane.showMessageDialog(this, "Username wajib diisi!");
        txtUsername.requestFocus();
    } else if (pass.length == 0) {
        JOptionPane.showMessageDialog(this, "password wajib diisi!");
        txtPassword.requestFocus();
    }
    else {
        String password = new String(pass);
        String md5_pass = md5(password);
        try{
            Connection c =Koneksi.sambungDB();
            Statement st =c.createStatement();
            String q ="SELECT * FROM tb_admin "
                + "WHERE username =" +user+ " "
                + "AND password =" +md5_pass+ " ";
            ResultSet rs = st.executeQuery(q);
            int n = 0;
            while (rs.next ()){
                String u = rs.getString("Username");
                String p = rs.getString("Password");
                n++;
            }
            if (n == 0) {
                JOptionPane.showMessageDialog(this , "Username / Password salah!");
                txtUsername.requestFocus();
                btnLogin.setEnabled(true);
            } else {
                Data d = new Data();
                this.setVisible(false);
                d.setExtendedState(Frame.MAXIMIZED_BOTH);
                d.setVisible(true);
            }
        } catch (Exception e){
            System.out.println(e.getMessage());
        }
    }
}

```



```
}
}
```

Ini source kode koneksi kelas koneksi:

```
/**
 *
 * @author vony
 */
public class Koneksi {
    public static Connection sambungDB(){
        try {
            MysqlDataSource dataSource = new MysqlDataSource();
            dataSource.setUser("root");
            dataSource.setPassword("");
            dataSource.setServerName("localhost");
            dataSource.setDatabaseName("uts");
            dataSource.setPortNumber(3306);
            dataSource.setAllowMultiQueries(true);
            Connection c = dataSource.getConnection();
            return c;
        } catch (Exception e) {
            System.err.println(e.getMessage());
        }
        return null;
    }
}
```

- **Membuat JFrame data perumahan seperti ini :**

The screenshot shows a Java Swing window titled "Perumahan". The window contains a form with the following fields and controls:

- Nama Perumahan: Text input field
- Alamat: Text input field
- No.Telephone: Text input field
- Email: Text input field
- Pengembang: Text input field
- Tipe Perumahan: Dropdown menu (currently showing "Tipe A1")
- File Brosur: Text input field

Below the form, there are four orange buttons: "Tambah", "UBAH", "Hapus", and "Keluar". To the right of these buttons is a search bar with the label "cari".

At the bottom of the window, there is a table with the following columns:

No.	Id.	Nama Peruma...	Alamat	NO. Telephone	Email	Pengembang	Tipe Perumah...	File Brosur

Ini Source Kodenya :

```
package Perumahan;
import Perumahan.Koneksi;
import java.awt.HeadlessException;
import java.sql.Connection;
import java.sql.SQLException;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
/**
 *
 * @author vony
 */
public class Data extends javax.swing.JFrame {
    String idData;
    private void tampilkan_data(String key) {
        DefaultTableModel model = new DefaultTableModel();
        model.addColumn("No.");
        model.addColumn("Id.");
        model.addColumn("Nama Perumahan");
        model.addColumn("Alamat");
        model.addColumn("NO. Telephone");
        model.addColumn("Email");
        model.addColumn("Pengembang");
        model.addColumn("Tipe Perumahan");
        model.addColumn("File Brosur");
        try {
            int no = 1;
            String where = key.isEmpty() ? "" : "WHERE nama LIKE '%" + key + "%' ";
            String sql = "SELECT * FROM tb_perumahan "+where;
            java.sql.Connection conn = (Connection) Koneksi.sambungDB();
            java.sql.Statement stm = conn.createStatement();
            java.sql.ResultSet res = stm.executeQuery(sql);
            while (res.next()) {
                model.addRow(new Object[]{no++, res.getString(1),
                    res.getString(2), res.getString(3), res.getString(4), res.getString(5), res.getString(6),
                    res.getString(7), res.getString(8)});
            }
            tblData.setModel(model);
        } catch (Exception e) {
```

```

        System.out.println("Error : " + e.getMessage());
    }
}
/**
 * Creates new form Data
 */
public Data() {
    initComponents();
    tampilkan_data("");
}
/**
 * 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();
    jLabel5 = new javax.swing.JLabel();
    jLabel6 = new javax.swing.JLabel();
    jLabel7 = new javax.swing.JLabel();
    jLabel8 = new javax.swing.JLabel();
    txtNama = new javax.swing.JTextField();
    txtAlamat = new javax.swing.JTextField();
    txtTelephone = new javax.swing.JTextField();
    txtEmail = new javax.swing.JTextField();
    txtPengembang = new javax.swing.JTextField();
    txtFile = new javax.swing.JTextField();
    cmbTipe = new javax.swing.JComboBox<>();
    btnUbah = new javax.swing.JButton();
    btnHapus = new javax.swing.JButton();
    btnKeluar = new javax.swing.JButton();
    txtCari = new javax.swing.JTextField();
    jLabel9 = new javax.swing.JLabel();
    jScrollPane1 = new javax.swing.JScrollPane();
    tblData = new javax.swing.JTable();

```

```

btnTambah = new javax.swing.JButton();
setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setBackground(new java.awt.Color(255, 153, 0));
jLabel1.setBackground(new java.awt.Color(255, 153, 0));
jLabel1.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
jLabel1.setText("Perumahan");
jLabel2.setBackground(new java.awt.Color(255, 153, 0));
jLabel2.setFont(new java.awt.Font("Times New Roman", 0, 12)); // NOI18N
jLabel2.setText("Nama Perumahan");
jLabel3.setBackground(new java.awt.Color(255, 153, 0));
jLabel3.setFont(new java.awt.Font("Times New Roman", 0, 12)); // NOI18N
jLabel3.setText("Alamat");
jLabel4.setBackground(new java.awt.Color(255, 153, 0));
jLabel4.setFont(new java.awt.Font("Times New Roman", 0, 12)); // NOI18N
jLabel4.setText("No.Telephone");
jLabel5.setBackground(new java.awt.Color(255, 153, 0));
jLabel5.setFont(new java.awt.Font("Times New Roman", 0, 12)); // NOI18N
jLabel5.setText("Email");
jLabel6.setBackground(new java.awt.Color(255, 153, 0));
jLabel6.setFont(new java.awt.Font("Times New Roman", 0, 12)); // NOI18N
jLabel6.setText("Pengembang");
jLabel7.setBackground(new java.awt.Color(255, 153, 0));
jLabel7.setFont(new java.awt.Font("Times New Roman", 0, 12)); // NOI18N
jLabel7.setText("Tipe Perumahan");
jLabel8.setBackground(new java.awt.Color(255, 153, 0));
jLabel8.setFont(new java.awt.Font("Times New Roman", 0, 12)); // NOI18N
jLabel8.setText("File Brosur");
cmbTipe.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Tipe A1",
"Tipe A2", "Tipe A3", "Tipe A4" }));
btnUbah.setBackground(new java.awt.Color(255, 153, 0));
btnUbah.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
btnUbah.setText("UBAH");
btnUbah.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnUbahActionPerformed(evt);
    }
});
btnHapus.setBackground(new java.awt.Color(255, 153, 0));
btnHapus.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
btnHapus.setText("Hapus");

```

```

btnHapus.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnHapusActionPerformed(evt);
    }
});
btnKeluar.setBackground(new java.awt.Color(255, 153, 0));
btnKeluar.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
btnKeluar.setText("Keluar");
btnKeluar.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnKeluarActionPerformed(evt);
    }
});
txtCari.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        txtCariActionPerformed(evt);
    }
});
txtCari.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyReleased(java.awt.event.KeyEvent evt) {
        txtCariKeyReleased(evt);
    }
});
jLabel9.setBackground(new java.awt.Color(255, 153, 0));
jLabel9.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
jLabel9.setText("cari");

tblData.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null}
    },
    new String [] {
        "Title 1", "Title 2", "Title 3", "Title 4"
    }
) {
    boolean[] canEdit = new boolean [] {
        false, false, false, false
    };

```

```

    };

    public boolean isCellEditable(int rowIndex, int columnIndex) {
        return canEdit [columnIndex];
    }
});
tblData.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        tblDataMouseClicked(evt);
    }
});
jScrollPane1.setViewportView(tblData);

btnTambah.setBackground(new java.awt.Color(255, 153, 0));
btnTambah.setFont(new java.awt.Font("Tahoma", 1, 12)); // NOI18N
btnTambah.setText("Tambah");
btnTambah.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        btnTambahActionPerformed(evt);
    }
});

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jScrollPane1, javax.swing.GroupLayout.Alignment.TRAILING)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 84,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel2)
                .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 84,
javax.swing.GroupLayout.PREFERRED_SIZE)
            )
        )
);

```

```

        .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 84,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED_SIZE, 84,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED_SIZE, 84,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED_SIZE, 93,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(51, 51, 51)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(txtNama)
        .addComponent(txtAlamat)
        .addComponent(txtTelephone)
        .addComponent(txtEmail)
        .addComponent(txtPengembang)
        .addComponent(cmbTipe, 0, 350, Short.MAX_VALUE)
        .addComponent(txtFile)))
.addGroup(layout.createSequentialGroup()
        .addGap(14, 14, 14)
        .addComponent(btnTambah)
        .addGap(18, 18, 18)
        .addComponent(btnUbah)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(btnHapus)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(btnKeluar)
        .addGap(12, 12, 12)
        .addComponent(txtCari, javax.swing.GroupLayout.PREFERRED_SIZE, 161,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED_SIZE, 50,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(layout.createSequentialGroup()
        .addGap(221, 221, 221)
        .addComponent(jLabel11, javax.swing.GroupLayout.PREFERRED_SIZE, 164,
javax.swing.GroupLayout.PREFERRED_SIZE)))

```

```

        .addContainerGap(249, Short.MAX_VALUE))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 46,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(txtNama, javax.swing.GroupLayout.PREFERRED_SIZE, 31,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 31,
                    javax.swing.GroupLayout.PREFERRED_SIZE))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 31,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(txtAlamat, javax.swing.GroupLayout.PREFERRED_SIZE, 31,
                    javax.swing.GroupLayout.PREFERRED_SIZE))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(txtTelephone, javax.swing.GroupLayout.PREFERRED_SIZE, 31,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 31,
                    javax.swing.GroupLayout.PREFERRED_SIZE))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 31,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(txtEmail, javax.swing.GroupLayout.PREFERRED_SIZE, 31,
                    javax.swing.GroupLayout.PREFERRED_SIZE))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(txtPengembang, javax.swing.GroupLayout.PREFERRED_SIZE,
                    31, javax.swing.GroupLayout.PREFERRED_SIZE)

```



```

        .addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(cmbTipe, javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(txtFile, javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(btnKeluar, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(txtCari))

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(btnUbah, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(btnHapus, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(btnTambah, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 219,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(22, 22, 22))
    );

```

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

```
private void btnUbahActionPerformed(java.awt.event.ActionEvent evt) {  
    try {  
        String sql = "UPDATE tb_perumahan set nama='"+txtNama.getText()+"',alamat  
='"+txtAlamat.getText()+"',no_hp='"+txtTelephone.getText()+"',email  
='"+txtEmail.getText()+"',pengembang='"+txtPengembang.getText()+"',tipe  
='"+cmbTipe.getSelectedItem()+"',file='"+txtFile.getText()+"' WHERE id='"+idData+"'";  
  
        java.sql.Connection conn = (Connection) Koneksi.sambungDB();  
        java.sql.PreparedStatement pstmt = conn.prepareStatement(sql);  
        pstmt.execute();  
        JOptionPane.showMessageDialog(null, "Ubah Berhasil");  
    } catch (HeadlessException | SQLException e) {  
        JOptionPane.showMessageDialog(this, e.getMessage());  
    }  
    tampilkan_data("");  
}
```

```
private void btnHapusActionPerformed(java.awt.event.ActionEvent evt) {  
    try {  
        String sql = "DELETE FROM tb_perumahan WHERE id = '" + idData + "'";  
        java.sql.Connection conn = (Connection) Koneksi.sambungDB();  
        java.sql.PreparedStatement pstmt = conn.prepareStatement(sql);  
        pstmt.execute();  
        JOptionPane.showMessageDialog(null, "Hapus Berhasil");  
    } catch (HeadlessException | SQLException e) {  
        JOptionPane.showMessageDialog(this, e.getMessage());  
    }  
    tampilkan_data("");  
}
```

```
private void btnKeluarActionPerformed(java.awt.event.ActionEvent evt) {  
    System.exit(0);  
}
```

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

```

private void btnTambahActionPerformed(java.awt.event.ActionEvent evt) {
    try {
        String sql = "INSERT INTO tb_perumahan VALUES (NULL, " + txtNama.getText() +
            ", " + txtAlamat.getText() + ", " + txtTelephone.getText() + ", " + txtEmail.getText() + ", " +
            txtPengembang.getText() + ", " + cmbTipe.getSelectedItem() + ", " + txtFile.getText() + ")";
        java.sql.Connection conn = (Connection) Koneksi.sambungDB();
        java.sql.PreparedStatement pstmt = conn.prepareStatement(sql);
        pstmt.execute();
        JOptionPane.showMessageDialog(null, "Simpan Berhasil");
        tampilkan_data("");

    } catch (HeadlessException | SQLException e) {
        JOptionPane.showMessageDialog(this, e.getMessage());
    }
    txtNama.setFocusable(true);
}

private void tblDataMouseClicked(java.awt.event.MouseEvent evt) {
    int baris = tblData.getSelectedRow();

    if (baris > -1) {
        idData = tblData.getValueAt(baris, 1).toString();
        txtNama.setText(tblData.getValueAt(1, 2).toString());
        txtAlamat.setText(tblData.getValueAt(1, 3).toString());
        txtTelephone.setText(tblData.getValueAt(1, 4).toString());
        txtEmail.setText(tblData.getValueAt(1, 5).toString());
        txtPengembang.setText(tblData.getValueAt(1, 6).toString());
        cmbTipe.setSelectedItem(tblData.getValueAt(1, 7).toString());
        txtFile.setText(tblData.getValueAt(1, 8).toString());
    }
}

private void txtCariKeyReleased(java.awt.event.KeyEvent evt) {
    String key = txtCari.getText();
    if (key.isEmpty()) {
        tampilkan_data("");
    } else {
        tampilkan_data(key);
    }
}

```

```

}

/**
 * @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
     */
    //</editor-fold>

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

// Variables declaration - do not modify
private javax.swing.JButton btnHapus;
private javax.swing.JButton btnKeluar;
private javax.swing.JButton btnTambah;
private javax.swing.JButton btnUbah;
private javax.swing.JComboBox<String> cmbTipe;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable tblData;
private javax.swing.JTextField txtAlamat;
private javax.swing.JTextField txtCari;

```

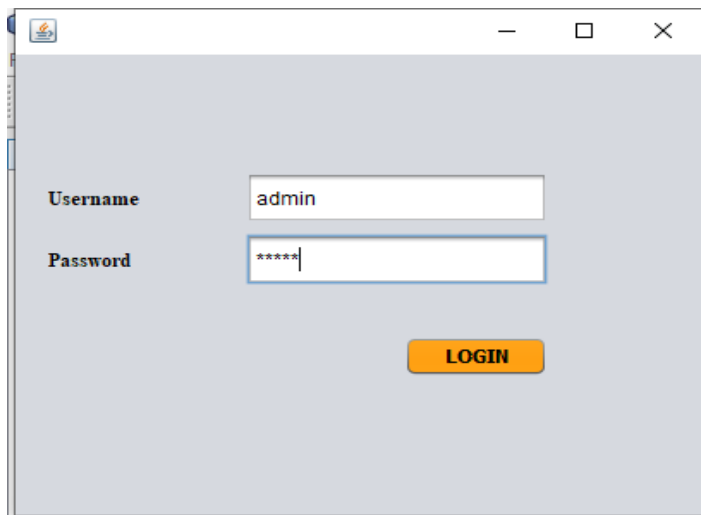
```

private javax.swing.JTextField txtEmail;
private javax.swing.JTextField txtFile;
private javax.swing.JTextField txtNama;
private javax.swing.JTextField txtPengembang;
private javax.swing.JTextField txtTelephone;
// End of variables declaration
}

```

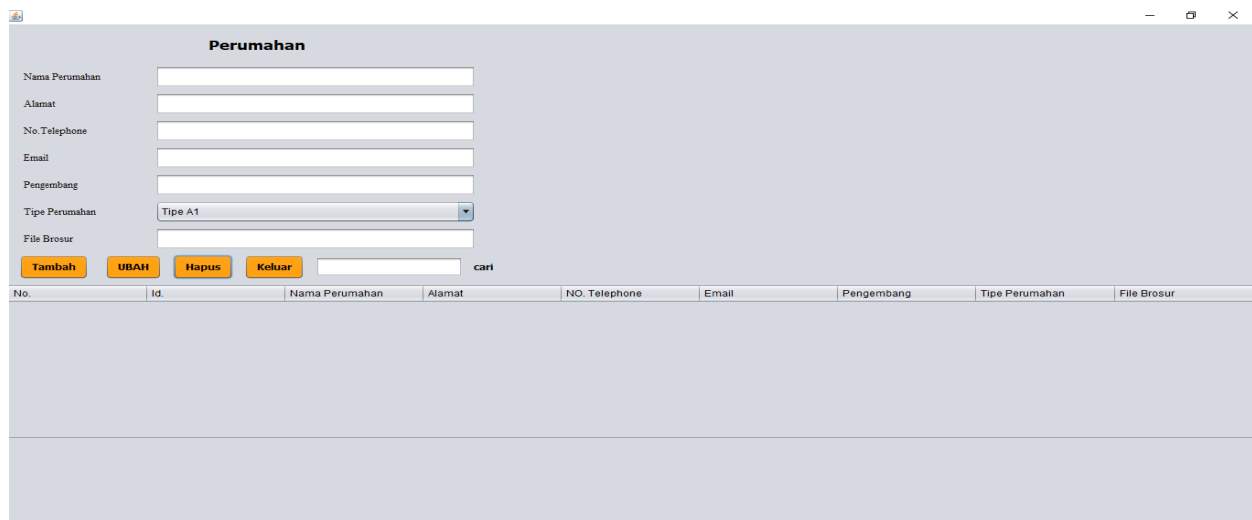
**Finish, coba di run dan liat hasilnya**

Kalau bener entar seperti ini;



A screenshot of a Java Swing window titled "Perumahan". The window has a light gray background and standard Windows-style window controls (minimize, maximize, close) in the top right corner. On the left side, there are two labels: "Username" and "Password". To the right of "Username" is a text input field containing the text "admin". To the right of "Password" is a text input field containing six asterisks "\*\*\*\*\*". Below these two input fields, centered horizontally, is an orange button with the text "LOGIN" in black capital letters.

Kalau berhasil login nanti akan langsung akses ketampilan yang seperti ini



A screenshot of a Java Swing window titled "Perumahan". The window has a light gray background and standard Windows-style window controls. The interface is divided into two main sections. The top section contains a form with several input fields and a dropdown menu: "Nama Perumahan", "Alamat", "No.Telephone", "Email", "Pengembang", "Tipe Perumahan" (with a dropdown menu showing "Tipe A1"), and "File Brosur". Below these fields are four orange buttons: "Tambah", "UBAH", "Hapus", and "Keluar", followed by a search bar with the text "cari". The bottom section of the window is a table with a header row containing the following columns: "No.", "Id.", "Nama Perumahan", "Alamat", "NO. Telephone", "Email", "Pengembang", "Tipe Perumahan", and "File Brosur". The table body is currently empty.

Ini contoh kalau kita akan menambahkan data dengan btnTambah

**Perumahan**

Nama Perumahan: Griya Santika  
Alamat: Mejasem  
No.Telephone: 083861244812  
Email: @vonyanggraa@gmail.com  
Pengembang: Graha group  
Tipe Perumahan: Tipe A3  
File Brosur: Brosur

**Tambah** **UBAH** **Hapus** **Keluar**  cari

No.	Id.	Nama Perumahan	Alamat	NO. Telephone	Email	Pengembang	Tipe Perumahan	File Brosur
1	1	Griya Santika	Mejasem	083861244812	@vonyanggraa@gmail.com	Graha group	Tipe A3	Brosur

Berhasil.

Ini contoh kalau kita akan mengedit data yang telah kita input dengan btnUbah

**Perumahan**

Nama Perumahan: Kampung Anyar  
Alamat: Panggung  
No.Telephone: 082324520776  
Email: keren@gmail.com  
Pengembang: Jaya Group  
Tipe Perumahan: Tipe A2  
File Brosur: Brosur

**Tambah** **UBAH** **Hapus** **Keluar**  cari

Message  
Ubah Berhasil  
OK

No.	Id.	Nama Perumahan	Alamat	NO. Telephone	Email	Pengembang	Tipe Perumahan	File Brosur
1	2	Kampung Baru	Kramat			Bima Group	Tipe A4	Brosur

Berhasil.

Ini contoh kalau kita akan menghapus data yang telah kita buat dengan btnHapus.

Perumahan

Nama Perumahan

Kampung Baru

Alamat

Kramat

No.Telephone

082324520776

Email

keren@gmail.com

Pengembang

Bima Group

Tipe Perumahan

Tipe A4

File Brosur

Brosur

Tambah

UBAH

Hapus

Keluar

cari

No.	Id.	Nama Perumahan	Alamat	Pengembang	Tipe Perumahan	File Brosur
1	1	Griya Sanika	Mejasem	Graha group	Tipe A3	Brosur
2	2	Kampung Baru	Kramat	Bima Group	Tipe A4	Brosur

Message

i

Hapus Berhasil

OK

berhasil.