

Pemrograman Komputer 2

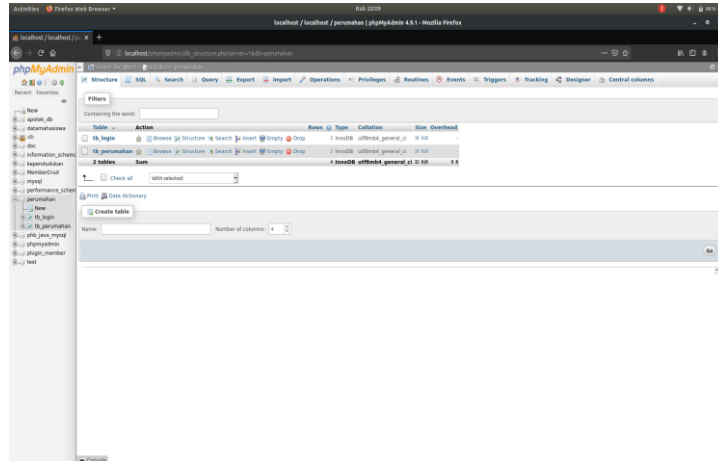


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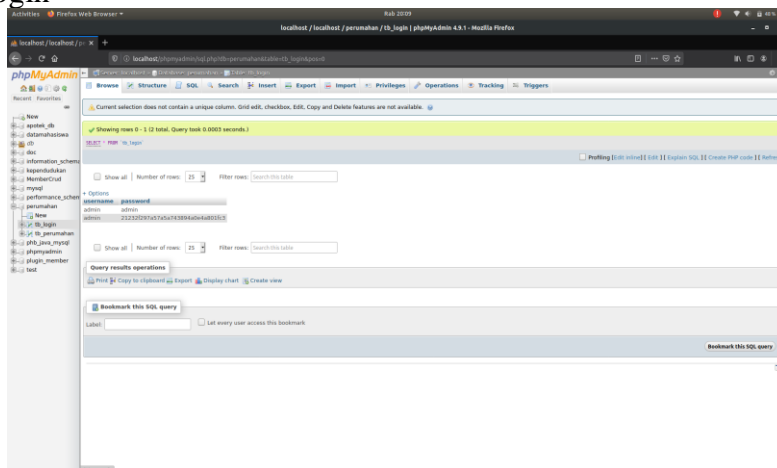
POLITEKNIK HARAPAN BERSAMA TEGAL
D4 TEKNIK INFORMATIKA

1. Buat data base

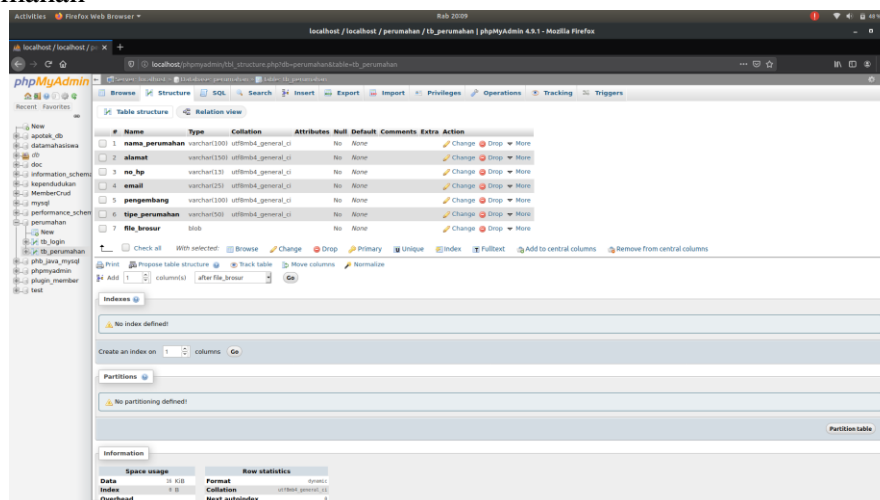
- Buka xampp
- aktifkan Apache dan Mysql
- setelah aktif buka browser ketikan *localhost* pilih menu phpmyadmin
- lalu kita buat basis data seperti gambar dibawah



- bagian tb_login



bagian tb_perumahan



2. Buat Project

- Buka aplikasi Netbeans

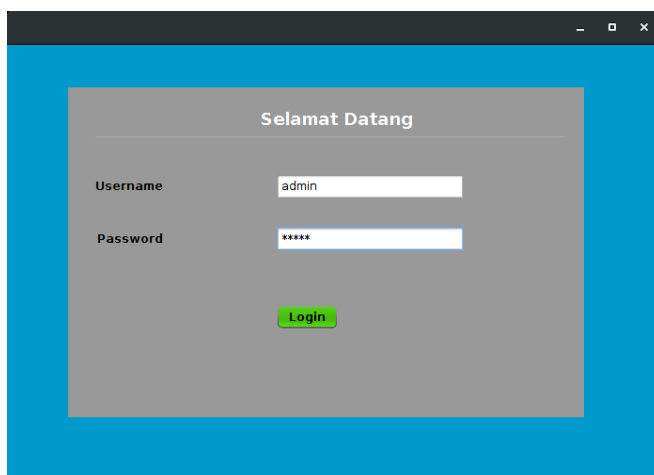
- new project dengan nama perumahan
- buat 2 new packages koneksi untuk class koneksi dan perumahan untuk class login dan class form.

3. Class Koneksi

```
package Koneksi;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;

/**
 *
 * @author zdaf
 */
public class Koneksi {
    public static Connection sambungDB(){
        String JDBC_DRIVER_CLASS = "com.mysql.cj.jdbc.Driver";
        String username = "root";
        String host = "localhost";
        String port = "3306";
        String password = "";
        String dbName = "perumahan";
        String url =
"jdbc:mysql://" + host + ":" + port + "/" + dbName + "?useTimezone=true&serverTimezone=UTC";
        Connection con = null;
        try {
            Class.forName(JDBC_DRIVER_CLASS).newInstance();
            con = DriverManager.getConnection(url, username, password);
            System.out.println("Congrats ! Koneksi sukses");
            return con;
        } catch (ClassNotFoundException | IllegalAccessException | InstantiationException |
SQLException e) {
            System.err.println("Error : " + e.getMessage());
            System.exit(0);
        }
        return null;
    }
}
```

4. Buat JFrame untuk login



- berikut syntaxnya

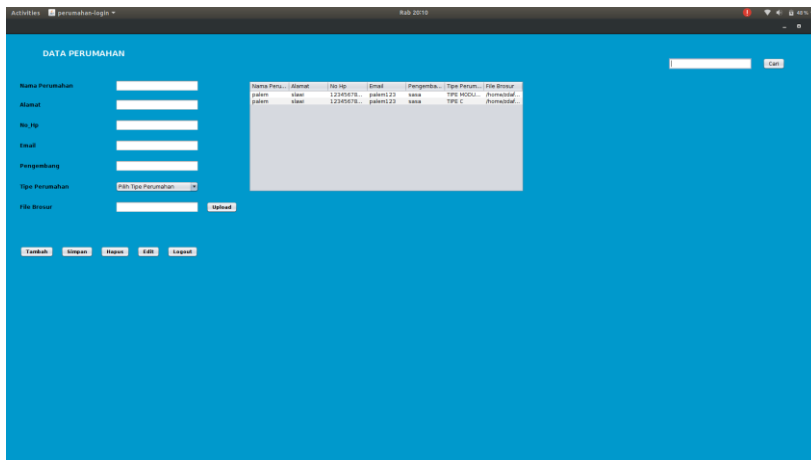
```
import java.awt.Frame;
import java.awt.HeadlessException;
import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import javax.swing.JOptionPane;

public class login extends javax.swing.JFrame {
    public login() {
        initComponents();
    }
    private void txt_usernameActionPerformed(java.awt.event.ActionEvent evt) {
        ProsesMasuk();
    }

    private void btn_loginActionPerformed(java.awt.event.ActionEvent evt) {
        ProsesMasuk();
    }
    private void ProsesMasuk(){
        String user = txt_username.getText();
        char[] pass = txt_password.getPassword();
        if (user.isEmpty()) {
            JOptionPane.showMessageDialog(this, "Username tidak boleh kosong");
            txt_username.requestFocus();
        } else if (pass.length == 0) {
            JOptionPane.showMessageDialog(this, "Password tidak boleh kosong");
            txt_password.requestFocus();
        } else {
            String password = new String(pass);
            try {
                Connection con = Koneksi.Koneksi.sambungDB();
                Statement st = con.createStatement();
                String a = "SELECT * FROM tb_login "
                    + "WHERE username = '"+user+"' "
                    + "AND password= MD5('"+password+"')";
                ResultSet rs = st.executeQuery(a);
                if (rs.next()) {
                    form f = new form();
                    f.setExtendedState(Frame.MAXIMIZED_BOTH);
                    this.setVisible(false);
                    f.setVisible(true);
                } else {
                    JOptionPane.showMessageDialog(this, "Username dan password salah");
                    txt_username.requestFocus();
                }
            } catch (HeadlessException | SQLException e) {
                JOptionPane.showMessageDialog(this, e.getMessage());
            }
        }
    }
}
```

```
}
}
```

5. JFrame untuk form



- berikut syntaxnya

```
import com.mysql.jdbc.Statement;
import java.awt.Frame;
import java.io.File;
import java.sql.ResultSet;
import javax.swing.ImageIcon;
import javax.swing.JFileChooser;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
import Koneksi.Koneksi;
```

```
public class form extends javax.swing.JFrame {
    String filename = null;
```

```
    public form() {
        initComponents();
        tabel();
    }
```

```
    private void tabel() {
        DefaultTableModel tbl = new DefaultTableModel();
        tbl.addColumn("Nama Perusahaan");
        tbl.addColumn("Alamat");
        tbl.addColumn("No Hp");
        tbl.addColumn("Email");
        tbl.addColumn("Pengembang");
        tbl.addColumn("Tipe Perumahan");
        tbl.addColumn("File Brosur");
        tabel.setModel(tbl);
        try {
            Statement statement = (Statement) Koneksi.sambungDB().createStatement();
            ResultSet res = statement.executeQuery("Select * from tb_perumahan");
```

```

while (res.next()) {
    tbl.addRow(new Object[]{
        res.getString("nama_perumahan"),
        res.getString("alamat"),
        res.getString("no_hp"),
        res.getString("email"),
        res.getString("pengembang"),
        res.getString("tipe_perumahan"),
        res.getString("file_brosur"),});
    tabel.setModel(tbl);
}
} catch (Exception e) {
    JOptionPane.showMessageDialog(rootPane, "Gagal");
}
private void btn_tambahActionPerformed(java.awt.event.ActionEvent evt) {
    txt_nama.setText("");
    txt_alamat.setText("");
    txt_noHP.setText("");
    txt_email.setText("");
    txt_pengembang.setText("");
    cmb_tipe.setSelectedItem("Pilih Tipe Perumahan");
    txt_alamat.setText("");
    txt_file.setText("");
    txt_nama.requestFocus();
}

private void btn_simpanActionPerformed(java.awt.event.ActionEvent evt) {
    String nama = txt_nama.getText();
    String alamat = txt_alamat.getText();
    String no_HP = txt_noHP.getText();
    String email = txt_email.getText();
    String pengembang = txt_pengembang.getText();
    String tipe = (String) cmb_tipe.getSelectedItem();
    String filebrosur = txt_file.getText();
    try {
        Statement statement = (Statement) Koneksi.sambungDB().createStatement();
        statement.executeUpdate("insert into tb_perumahan VALUES (" + nama + "," + alamat +
        ",", no_HP + "," + email + "," + pengembang + "," + tipe + "," + filebrosur + ");");
        statement.close();
        JOptionPane.showMessageDialog(null, "Data Berhasil Disimpan");
    } catch (Exception e) {
        JOptionPane.showMessageDialog(null, "Data Gagal Disimpan");
    }
    tabel();
}

private void btn_editActionPerformed(java.awt.event.ActionEvent evt) {
    if (btn_edit.getText() == "btn_edit") {
        txt_nama.requestFocus();
    } else {
        String nama = txt_nama.getText();
        String alamat = txt_alamat.getText();

```

```

String no_Hp = txt_noHP.getText();
String email = txt_email.getText();
String pengembang = txt_pengembang.getText();
String tipe = (String) cmb_tipe.getSelectedItem();
String file_brosur = txt_file.getText();
try {
    Statement statement = (Statement) Koneksi.sambungDB().createStatement();
    statement.executeUpdate("update tb_perumahan SET nama_perumahan=" + nama + "," +
+ "alamat=" + alamat + "," + "no_telp=" + no_Hp + "," + "email=" + email + "," +
"pengembang=" + pengembang + "," + "tipe_perumahan=" + tipe + "," + "file_brosur=" +
file_brosur + "" + "WHERE nama_perumahan = " + nama + " OR alamat = " + alamat + "");
    statement.close();
    JOptionPane.showMessageDialog(null, "Data Berhasil diubah");
} catch (Exception e) {
    JOptionPane.showMessageDialog(null, "Data Gagal diubah");
}
}
tabel();
}

private void btn_hapusActionPerformed(java.awt.event.ActionEvent evt) {
    String nama = txt_nama.getText();
    String alamat = txt_alamat.getText();
    int baris = tabel.getSelectedRow();
    if (baris != -1) {
        int pilihan = JOptionPane.showConfirmDialog(this, "Apakah anda yakin?", "Konfirmasi",
JOptionPane.YES_NO_OPTION);
        if (pilihan == 0) {
            try {
                Statement statement = (Statement) Koneksi.sambungDB().createStatement();
                statement.executeUpdate("delete from tb_perumahan where nama_perumahan = " +
nama + " OR alamat = " + alamat + "");
                JOptionPane.showMessageDialog(null, "Data Berhasil di Hapus");
                txt_nama.setText("");
                txt_alamat.setText("");
                txt_noHP.setText("");
                txt_email.setText("");
                txt_pengembang.setText("");
                cmb_tipe.setSelectedItem("A");
                txt_alamat.setText("");
                txt_file.setText("");
                txt_nama.requestFocus();
            } catch (Exception t) {
                JOptionPane.showMessageDialog(null, "Data Gagal di Hapus");
            }
            tabel();
        }
    }
}

private void btn_cariActionPerformed(java.awt.event.ActionEvent evt) {
    try {
        Statement statement = (Statement) Koneksi.sambungDB().createStatement();

```

```
ResultSet res = statement.executeQuery("select*from tb_perumahan where " +  
"nama_perumahan like '%" + txt_cari.getText() + "%' OR " + "alamat like '%" + txt_cari.getText() +  
"%");
```

```
DefaultTableModel tbl = new DefaultTableModel();  
tbl.addColumn("Nama Perumahan");  
tbl.addColumn("Alamat");  
tbl.addColumn("No Hp");  
tbl.addColumn("Email");  
tbl.addColumn("Pengembang");  
tbl.addColumn("Tipe Perumahan");  
tbl.addColumn("File Brosur");
```

```
tabel.setModel(tbl);  
while (res.next()) {  
    tbl.addRow(new Object[]{  
        res.getString("nama_perumahan"),  
        res.getString("alamat"),  
        res.getString("no_hp"),  
        res.getString("email"),  
        res.getString("pengembang"),  
        res.getString("tipe_perumahan"),  
        res.getString("file_brosur"),});  
    tabel.setModel(tbl);  
}
```

```
} catch (Exception e) {  
    JOptionPane.showMessageDialog(rootPane, "Error");  
}  
}
```

```
private void tabelMouseClicked(java.awt.event.MouseEvent evt) {  
    int i = tabel.getSelectedRow();  
    if (i == -1) {  
        return;  
    }  
    String nama = (String) tabel.getValueAt(i, 0);  
    txt_nama.setText(nama);  
    String alamat = (String) tabel.getValueAt(i, 1);  
    txt_alamat.setText(alamat);  
    String no = (String) tabel.getValueAt(i, 2);  
    txt_noHP.setText(no);  
    String email = (String) tabel.getValueAt(i, 3);  
    txt_email.setText(email);  
    String pengembang = (String) tabel.getValueAt(i, 4);  
    txt_pengembang.setText(pengembang);  
    String tipe = (String) tabel.getValueAt(i, 5);  
    cmb_tipe.setSelectedItem(tipe);  
    String filebrosur = (String) tabel.getValueAt(i, 6);  
    txt_file.setText(filebrosur);  
}
```

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



```

        JFileChooser chooser = new JFileChooser();
        chooser.showOpenDialog(null);
        File f = chooser.getSelectedFile();
        gambar.setIcon(new ImageIcon(f.toString()));
        gambar.setSize(300, 300);
        filename = f.getAbsolutePath();
        txt_file.setText(filename);
    }

    private void btn_logoutActionPerformed(java.awt.event.ActionEvent evt) {
        int pilihan = JOptionPane.showConfirmDialog(this, "Apakah anda yakin?", "Konfirmasi",
        JOptionPane.YES_NO_OPTION);
        if (pilihan == 0) {
            login login = new login();
            login.setExtendedState(Frame.MAXIMIZED_BOTH);
            login.setVisible(true);
            this.setVisible(false);
        }
    }
}

```

6. Hasil

