LAPORAN TUGAS PRAKTIKUM 8

PEMROGRAMAN BERORIENTASI OBJEK



Prabowo Gosal 52015031

STMIK KHARISMA Makassar

Program studi INFORMATIKA 2015

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Akses MySQL ke NetBeans

Source Code fupdatedata.java

private void jButton2ActionPerformed**(**java**.**awt**.**event**.**ActionEvent evt**)** **{**

// TODO add your handling code here:

**this.**dispose**();** //menutup form yang sedang aktif

**}**

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

// TODO add your handling code here:

// membuat objek baru dari class person

person p **=** **new** person**();** //membuat dan memanggil objek p pada class person

//menset nilai ke dalam p.setid dari hasil konvert jTextField1

p**.**setid**(**Integer**.**parseInt**(**jTextField1**.**getText**()));**

//menset nilai ke dalam p.setnama dari jTextField2

p**.**setnama**((**jTextField2**.**getText**()));**

//membuat objek baru dari class OperasiMysql

OperasiMySQL data **=** **new** OperasiMySQL**();**

//menjalankan metode updatedata dengan menggunakan parameter objek p

data**.**updatedata**(**p**);**

//menampilkan pesan dialog data terupdate

JOptionPane**.**showMessageDialog**(null,** "Data terupdate"**);**

//mereset jtextfield1 dan 2 kembali jadi null

jTextField1**.**setText**(**""**);**

jTextField2**.**setText**(**""**);**

**}**

Source Code Praktikum8.java

/\*

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\* and open the template in the editor.

\*/

package pratikum8**;**

/\*\*

\*

\* **@author** Lenovo

\*/

public class Pratikum8 **{**

/\*\*

\* **@param** args the command line arguments

\*/

public static void main**(**String**[]** args**)** **{**

// TODO code application logic here

**new** menu**().**setVisible**(true);** //memanggil form menu

**}**

**}**

Source Code OperasiMySQL.java

public class OperasiMySQL **{** //membuat koneksi MySQL ke netbeans

Connection conn **=** **null;**

String url **=** "jdbc:mysql://localhost/"**;**

String dbname **=** "test"**;**

String driver **=** "com.mysql.jdbc.Driver"**;**

String userName **=** "root"**;**

String password **=** ""**;**

private Statement statement **=** **null;**

private PreparedStatement preparedStatement **=** **null;**

private ResultSet resultSet **=** **null;**

public void insertdata**(**person p**){** //membuat operasi tambah data ke SQL

**try** **{**

Class**.**forName**(**driver**).**newInstance**();**

conn **=** **(**Connection**)** DriverManager**.**getConnection**(**url**+**dbname**,**userName**,**password**);**

statement **=** **(**Statement**)** conn**.**createStatement**();**

preparedStatement **=** **(**PreparedStatement**)** conn**.**prepareStatement**(**"insert into personal values(?,?)"**);**

preparedStatement**.**setInt**(**1**,** p**.**getid**());**

preparedStatement**.**setString**(**2**,** p**.**getnama**());**

preparedStatement**.**executeUpdate**();**

conn**.**close**();**

**}** **catch** **(**Exception e**)** **{**

System**.**out**.**println**(**"No Connection =( "**);**

**}**

**}**

public void tampildata**(**JTable tdata**){** //Membaca data SQL

DefaultTableModel tbm **=** **new** DefaultTableModel**();**

tbm**.**addColumn**(**"ID"**);**

tbm**.**addColumn**(**"Nama"**);**

tdata**.**setModel**(**tbm**);**

**try** **{**

conn **=** **(**Connection**)** DriverManager**.**getConnection**(**url**+**dbname**,**userName**,**password**);**

statement **=** **(**Statement**)** conn**.**createStatement**();**

String sql **=** "select \* from personal"**;**

ResultSet res **=** statement**.**executeQuery**(**sql**);**

**while(**res**.**next**()){**

tbm**.**addRow**(new** Object**[]{**

res**.**getString**(**"id"**),**

res**.**getString**(**"nama"**),**

**});**

tdata**.**setModel**(**tbm**);**

**}**

**}** **catch** **(**Exception e**)** **{**

System**.**out**.**println**(**"No Connection =( "**);**

**}**

**}**

public void updatedata**(**person p**){** //Mengupdate data SQL

**try** **{**

conn **=** **(**Connection**)** DriverManager**.**getConnection**(**url**+**dbname**,**userName**,**password**);**

statement **=** **(**Statement**)** conn**.**createStatement**();**

String sql **=** "SELECT \* FROM personal"**;**

ResultSet res **=** statement**.**executeQuery**(**sql**);**

**while(**res**.**next**()){**

**if(**res**.**getString**(**"id"**).**equals**(**Integer**.**toString**(**p**.**getid**()))){**

String query **=** "UPDATE personal SET nama=? WHERE id="**+**p**.**getid**();**

preparedStatement **=** **(**PreparedStatement**)** conn**.**prepareStatement**(**query**);**

preparedStatement**.**setString**(**1**,** p**.**getnama**());**

preparedStatement**.**executeUpdate**();**

**}**

**}**

**}** **catch** **(**Exception e**)** **{**

System**.**out**.**println**(**"No Connection =( untuk update"**);**

**}**

**}**

public void deletedata**(**person p**){** //Menghapus data SQL

**try** **{**

conn **=** **(**Connection**)** DriverManager**.**getConnection**(**url**+**dbname**,**userName**,**password**);**

statement **=** **(**Statement**)** conn**.**createStatement**();**

String sql **=** "SELECT \* FROM personal"**;**

ResultSet res **=** statement**.**executeQuery**(**sql**);**

**while(**res**.**next**()){**

**if(**res**.**getString**(**"id"**).**equals**(**Integer**.**toString**(**p**.**getid**()))){**

String query **=** "DELETE FROM personal WHERE id="**+**p**.**getid**();**

preparedStatement **=** **(**PreparedStatement**)** conn**.**prepareStatement**(**query**);**

preparedStatement**.**executeUpdate**();**

**}**

**}**

**}** **catch** **(**Exception e**)** **{**

System**.**out**.**println**(**"No Connection =( untuk delete"**);**

**}**

**}**

**}**

Source Code hapusdata.java

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

**this.**dispose**();** //menutup form yang sedang aktif

**}**

private void jButton2ActionPerformed**(**java**.**awt**.**event**.**ActionEvent evt**)** **{**

person p **=** **new** person**();**

p**.**setid**(**Integer**.**parseInt**(**jTextField1**.**getText**()));**

OperasiMySQL o **=** **new** OperasiMySQL**();**

o**.**deletedata**(**p**);**

JOptionPane**.**showMessageDialog**(null,** "Data Berhasil Dihapus"**);**

**}**

/\*\*

\* **@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**(**hapusdata**.**class**.**getName**()).**log**(**java**.**util**.**logging**.**Level**.**SEVERE**,** **null,** ex**);**

**}** **catch** **(**InstantiationException ex**)** **{**

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

**}** **catch** **(**IllegalAccessException ex**)** **{**

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

**}** **catch** **(**javax**.**swing**.**UnsupportedLookAndFeelException ex**)** **{**

java**.**util**.**logging**.**Logger**.**getLogger**(**hapusdata**.**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** hapusdata**().**setVisible**(true);**

**}**

**});**

**}**

Source Code inputdata.java

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

// TODO add your handling code here:

person p **=** **new** person**();**

p**.**setid**(**Integer**.**parseInt**(**jTextField1**.**getText**()));**

p**.**setnama**((**jTextField2**.**getText**()));**

OperasiMySQL data **=** **new** OperasiMySQL**();**

data**.**insertdata**(**p**);**

JOptionPane**.**showMessageDialog**(null,** "Data tersimpan"**);**

jTextField1**.**setText**(**""**);**

jTextField2**.**setText**(**""**);**

**}**

private void jButton2ActionPerformed**(**java**.**awt**.**event**.**ActionEvent evt**)** **{**

**this.**dispose**();**

**}**

Source Code lihatdata.java

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

// TODO add your handling code here:

//menutup form yang sedang aktif

**this.**dispose**();**

**}**

/\*\*

\* **@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**(**lihatdata**.**class**.**getName**()).**log**(**java**.**util**.**logging**.**Level**.**SEVERE**,** **null,** ex**);**

**}** **catch** **(**InstantiationException ex**)** **{**

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

**}** **catch** **(**IllegalAccessException ex**)** **{**

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

**}** **catch** **(**javax**.**swing**.**UnsupportedLookAndFeelException ex**)** **{**

java**.**util**.**logging**.**Logger**.**getLogger**(**lihatdata**.**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** lihatdata**().**setVisible**(true);**

**}**

**});**

**}**

Source Code menu.java

private void jButton2ActionPerformed**(**java**.**awt**.**event**.**ActionEvent evt**)** **{**

// TODO add your handling code here:

System**.**exit**(**0**);**

**}**

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

// TODO add your handling code here:

**new** inputdata**().**setVisible**(true);**

**}**

private void jButton3ActionPerformed**(**java**.**awt**.**event**.**ActionEvent evt**)** **{**

// TODO add your handling code here:

**new** lihatdata**().**setVisible**(true);**

**}**

private void jButton4ActionPerformed**(**java**.**awt**.**event**.**ActionEvent evt**)** **{**

// TODO add your handling code here:

**new** fupdatedata**().**setVisible**(true);**

**}**

private void jButton5ActionPerformed**(**java**.**awt**.**event**.**ActionEvent evt**)** **{**

// TODO add your handling code here:

**new** hapusdata**().**setVisible**(true);**

**}**

Source Code person.java

package pratikum8**;**

/\*\*

\*

\* **@author** Lenovo

\*/

public class person **{**

private int id**;** //mendeklarasikan variabel

private String nama**;**

public void setid**(**int id**){** //membuat metode

**this.**id **=** id**;**

**}**

public void setnama**(**String nama**){**

**this.**nama **=** nama**;**

**}**

public int getid**(){**

**return(**id**);**

**}**

public String getnama**(){**

**return(**nama**);**

**}**

**}**

Hasil uji coba













