**TUGAS PRAKTIKUM PEMOGRAMAN 2**

**“ PERTEMUAN 5“**



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**KATA PENGANTAR**

Pertama – tama penulismengucapkanPujiSyukurkepadaTuhan Yang MahaEsatelahmelimpahkanrahmatdankarunianyasehinggapenulisdapatmenyelesaikanLaporaninidenganbaikdanlancar.

MaksuddaripembuatanLaporaniniadalahuntukmemenuhitugas LAPORAN PEMOGRAMAN 2

Penulismenyadarisepenuhnyabahwatanpabantuandandorongandarisemuapihak, laporaninitidakdapatterselesaikan.Kepadaasisten yang telahmemberikanpengarahan-pengarahannyasehinggalaporaninidapatterselesaikandenganbaik.Serta semuapihak yang telahbanyakmembantu.

Akhir kata penulismengucapkanterimakasihsemogainiberguna.

Penulis

**Bab 1 – source code**

**Main.java**

package com.p2.jdbc.latihan;

importjava.sql.Connection;

importjava.sql.DriverManager;

importjava.sql.PreparedStatement;

importjava.sql.SQLException;

importjava.util.logging.Level;

importjava.util.logging.Logger;

importjava.math.BigDecimal;

public class Main{

public static void main(String[] args){

try{

//host, port, nama database, user, pass

Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/p2", "root", "");

String query = "insert into produk(nama, harga) values(?, "+new BigDecimal(23000)+")";

PreparedStatementps = conn.prepareStatement(query);

ps.setString(1, "lala");

ps.executeUpdate();

}

catch(SQLException se){

Logger.getLogger(Main.class.getName()).log(Level.SEVERE, null, se);

}

}

}

**Update.java**

package com.p2.jdbc.latihan;

importjava.util.logging.Level;

importjava.util.logging.Logger;

importjava.sql.\*;

importjavax.swing.\*;

public class Update{

public static void main(String[] args){

try{

//host, port, nama database, user, pass

Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/p2", "root", "");

Statement stm = conn.createStatement();

String query = "Update produk set nama = 'luki', harga='4500' where nama = 'lala'";

inthasil = stm.executeUpdate(query);

if(hasil == 1){

JOptionPane.showMessageDialog(null,"berhasil update");

}

else{

JOptionPane.showMessageDialog(null,"gagal update");

}

}

catch(SQLException se){

Logger.getLogger(Update.class.getName()).log(Level.SEVERE, null, se);

}

}

}

**Regexmain.java**

package com.p2.regex;

importjava.util.regex.\*;

public class RegexMain{

publicboolean valid(String regexp, String input){

Pattern p = Pattern.compile(regexp);

Matcher m = p.matcher(input);

returnm.matches();

}

}

**Cari.java**

package com.p2.regex;

importjava.util.regex.\*;

public class Cari{

public static void main(String[] args){

String text1 = "NamasayaLuki email saya luki@yahoo.com";

cekRegex("[A-Za-z]{2,20}\\s", text1);

}

public static void cekRegex(String regexp, String kata){

Pattern p = Pattern.compile(regexp);

Matcher m = p.matcher(kata);

while(m.find()){

if(m.group().length() != 0){

System.out.println(m.group().trim());

}

System.out.println("indeksawal : "+m.start());

System.out.println("indeksakhir : "+m.end());

}

//System.out.println("lukiiiiii");

}

}

**Buattabel.java**

package com.p2.jdbc.tugas;

importjava.sql.\*;

importjavax.swing.\*;

importjava.util.logging.Level;

importjava.util.logging.Logger;

importjava.math.BigDecimal;

public class BuatTabel{

public static void main(String[] args){

try{

//host, port, nama database, user, pass

Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/p2", "root", "");

String query = "create table terserah"

+ "(Nama text,"

+ "Alamatvarchar(255),"

+ "Tglahir date,"

+ "IPK decimal(5,2),"

+ "Teleponint(12))";

Statement st = conn.createStatement();

booleanhasil = st.execute(query);

if(hasil){

JOptionPane.showMessageDialog(null,"Tabelgagaldibuat");

}

else{

JOptionPane.showMessageDialog(null,"Tabelberhasildibuat");

}

}

catch(SQLException se){

Logger.getLogger(BuatTabel.class.getName()).log(Level.SEVERE, null, se);

}

}

}

**Edittabel.java**

package com.p2.jdbc.tugas;

importjava.sql.\*;

importjavax.swing.\*;

importjava.util.logging.Level;

importjava.util.logging.Logger;

importjava.math.BigDecimal;

public class DeleteTabel{

public static void main(String[] args){

try{

//host, port, nama database, user, pass

Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/p2", "root", "");

BigDecimalipk = new BigDecimal(3.20);

String query = "delete from terserah where Nama= ?";

PreparedStatementps = conn.prepareStatement(query);

ps.setString(1, "Luki");

inthasil = ps.executeUpdate();

if(hasil == 1){

JOptionPane.showMessageDialog(null,"Databerhasildihapus");

}

else{

JOptionPane.showMessageDialog(null,"Datagagaldihapus");

}

}

catch(SQLException se){

Logger.getLogger(DeleteTabel.class.getName()).log(Level.SEVERE, null, se);

}

}

}

**Readtabel.java**

package com.p2.jdbc.tugas;

importjava.sql.\*;

importjavax.swing.\*;

importjava.util.logging.Level;

importjava.util.logging.Logger;

importjava.math.BigDecimal;

public class ReadTabel{

public static void main(String[] args){

try{

//host, port, nama database, user, pass

Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/p2", "root", "");

String query = "select \* from terserah where Nama = 'Luki'";

Statement st = conn.createStatement();

//hasil query ditaruh di resultset

ResultSetrs = st.executeQuery(query);

while(rs.next()){

String nama = rs.getString("Nama");

String alamat = rs.getString("Alamat");

Date tanggal = rs.getDate("Tglahir");

BigDecimalipk = rs.getBigDecimal("IPK");

inttelepon = rs.getInt("Telepon");

System.out.println(" ");

System.out.println("BerikuthasilpencarianAnda :");

System.out.println("Nama : " +nama);

System.out.println("Alamat : " +alamat);

System.out.println("TTL : " +tanggal);

System.out.println("IPK : " +ipk);

System.out.println("Telepon : " +telepon);

}

}

catch(SQLException se){

Logger.getLogger(ReadTabel.class.getName()).log(Level.SEVERE, null, se);

}

}

}

**Updatetable.java**

package com.p2.jdbc.tugas;

importjava.sql.\*;

importjavax.swing.\*;

importjava.util.logging.Level;

importjava.util.logging.Logger;

importjava.math.BigDecimal;

public class UpdateTabel{

public static void main(String[] args){

try{

//host, port, nama database, user, pass

Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/p2", "root", "");

BigDecimalipk = new BigDecimal(3.20);

String query = "update terserah set Alamat= ?whereNama = 'Daniel'";

PreparedStatementps = conn.prepareStatement(query);

ps.setString(1, "Djakarta");

inthasil = ps.executeUpdate();

if(hasil == 1){

JOptionPane.showMessageDialog(null,"Databerhasildiupdate");

}

else{

JOptionPane.showMessageDialog(null,"Datagagaldiupdate");

}

}

catch(SQLException se){

Logger.getLogger(UpdateTabel.class.getName()).log(Level.SEVERE, null, se);

}

}

}

**compile**

