**DOCUMENTATION**

**LOGIN WINDOW:**

package Login;

import reg.RegistrationForm;

import config.JDBCConnection;

import java.awt.FlowLayout;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JButton;

import javax.swing.JComboBox;

import javax.swing.JDialog;

import javax.swing.JFrame;

import javax.swing.JLabel;

import javax.swing.JOptionPane;

import javax.swing.JPasswordField;

import javax.swing.JTextField;

public class login {

public static void main(String[] args) {

log obj=new log();

}

}

class log extends JFrame implements ActionListener

{

private static final String String = null;

JLabel lTitle, lUser,lPassword,lMessage,lrole;

JTextField userid,passwords;

JPasswordField tPassword;

JButton bLogin,bregister;

JComboBox roleCombo;

static JDialog dialog;

public log()

{

String[] role= {"HRA","EMP","PME"};

lTitle=new JLabel("Login Here");

lTitle.setBounds(180, 20, 150, 25);

lUser=new JLabel("User Id");

lUser.setBounds(50, 80, 150, 25);

lPassword=new JLabel("Password");

lPassword.setBounds(50, 160, 150, 25);

userid=new JTextField();

userid.setBounds(200, 80, 150, 25);

passwords=new JPasswordField();

passwords.setBounds(200, 160, 150, 25);

((JPasswordField) passwords).setEchoChar('\*');

lrole=new JLabel("Role");

lrole.setBounds(50, 200, 150, 25);

roleCombo=new JComboBox(role);

roleCombo.setBounds(200,200,90,20);

bLogin=new JButton("Login");

bLogin.setBounds(100, 250,150, 25);

bLogin.addActionListener(this);

bregister=new JButton("Register");

bregister.setBounds(250, 250,150, 25);

lMessage=new JLabel();

lMessage.setBounds(120, 320, 320, 25);

dialog=new JDialog(this,"Login",true);

add(lTitle);

add(lUser);

add(lPassword);

add(lrole);

add(roleCombo);

add(userid);

add(passwords);

add(bLogin);

add(bregister);

add(lMessage);

dialog.add(lMessage);

dialog.setSize(350, 200);

setSize(500,500);

setLayout(null);

setVisible(true);

setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

bregister.addActionListener(new ActionListener()

{

public void actionPerformed(ActionEvent e)

{

new RegistrationForm();

}

});

}

@Override

public void actionPerformed(ActionEvent e)

{

if(e.getSource()==bLogin) {

try {

//PreparedStatement ps;

ResultSet rs;

String query = "SELECT \* FROM Employees WHERE Userid =? AND Pass =? AND Role=? And Active='TRUE'";

Connection conn=DriverManager.getConnection("jdbc:sqlserver://DESKTOP-R1KFKCE\\DHILIP:1433;databaseName=pcsdb","sa","dhilipan");

PreparedStatement ps1=conn.prepareStatement(query);

ps1.setString(1, userid.getText());

ps1.setString(2, passwords.getText());

ps1.setString(3, roleCombo.getSelectedItem().toString());

rs = ps1.executeQuery();

String usr=userid.getText();

String pwd=passwords.getText();

//String usr=userid.getText();

//String pwd=passwords.getText();

if(rs.next())

{

if(roleCombo.getSelectedItem().equals("HRA"))

{

HR hra = new HR();

hra.HR(usr,pwd);

this.dispose();

}

if(roleCombo.getSelectedItem().equals("PME"))

{

ProjectManager pme = new ProjectManager();

pme.ProjectManager(usr,pwd);

this.dispose();

}

if(roleCombo.getSelectedItem().equals("EMP"))

{

Employee emp = new Employee();

emp.Employee(usr,pwd);

this.dispose();

}

}

else

{

JOptionPane.showMessageDialog(null, "Incorrect Username Or Password", "Login Failed", 2);

}

}

catch (SQLException ex) {

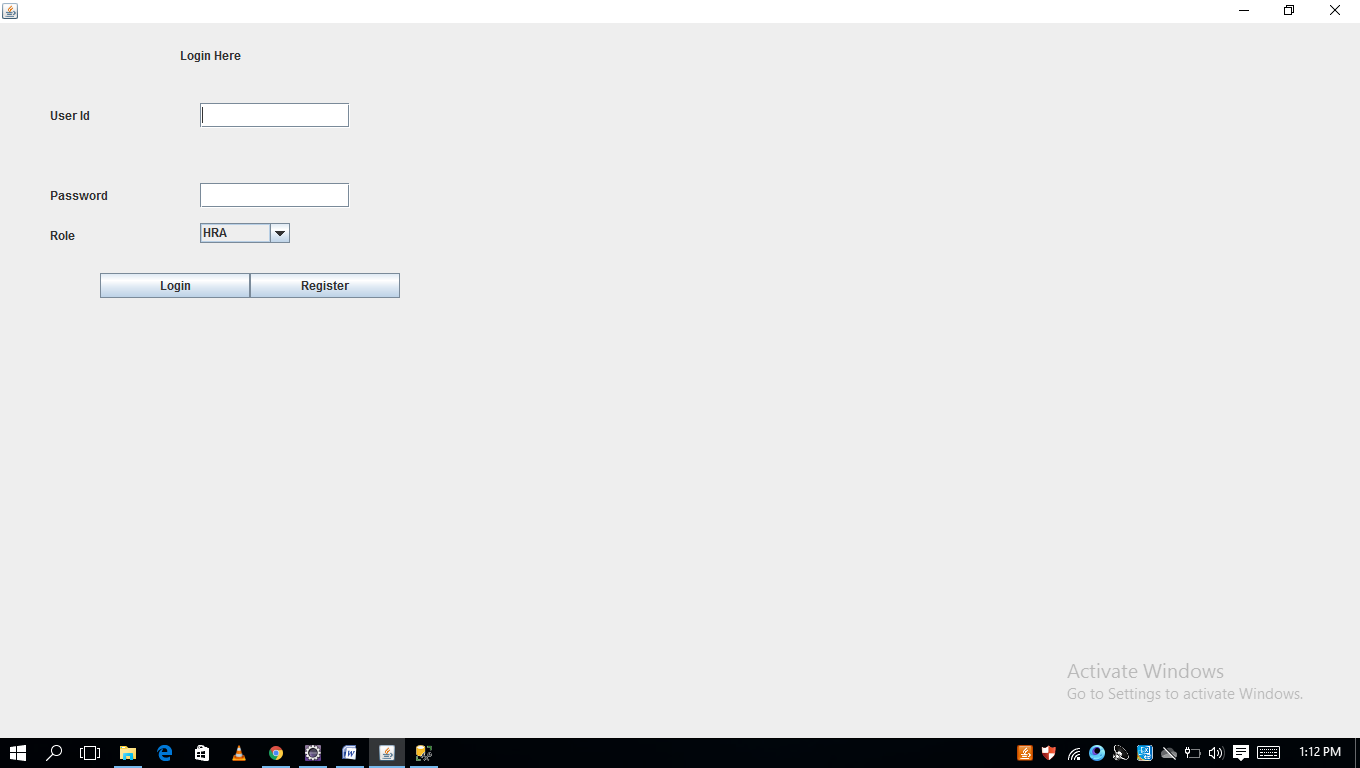
Logger.getLogger(login.class.getName()).log(Level.SEVERE, null, ex);

}

}

}

}



**REGISTER WINDOW:**

package reg;

import javax.swing.\*;

import java.awt.event.ActionListener;

import java.awt.event.\*;

import java.awt.\*;

import java.sql.\*;

public class RegistrationForm implements ActionListener {

JFrame frame;

String[] gender={"M","F"};

String[] role= {"HRA","EMP","PME"};

JLabel EmailId=new JLabel("Email Id");

JLabel FirstName=new JLabel("First Name");

JLabel LastName=new JLabel("Last Name");

JLabel Gender=new JLabel("Gender");

JLabel UserId=new JLabel("User Id");

JLabel Password=new JLabel("Password");

JLabel Role=new JLabel("Role");

JLabel Mobileno=new JLabel("Mobile No");

JTextField Emailid=new JTextField();

JTextField firstname=new JTextField();

JComboBox genderCombo=new JComboBox(gender);

JTextField lastname=new JTextField();

JTextField mobileno=new JTextField();

JTextField userid=new JTextField();

JPasswordField passwords=new JPasswordField();

JComboBox roleCombo=new JComboBox(role);

JButton registerButton=new JButton("REGISTER");

JButton resetButton=new JButton("RESET");

public RegistrationForm()

{

createWindow();

setLocationAndSize();

addComponentsToFrame();

actionEvent();

}

public void createWindow()

{

frame=new JFrame();

frame.setTitle("Registration Form");

frame.setBounds(40,40,380,600);

frame.getContentPane().setBackground(Color.white);

frame.getContentPane().setLayout(null);

frame.setVisible(true);

//frame.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

frame.setResizable(false);

}

public void setLocationAndSize()

{

EmailId.setBounds(20,20,60,70);

FirstName.setBounds(20,70,100,70);

LastName.setBounds(20,120,100,70);

UserId.setBounds(20,170,100,70);

Password.setBounds(20,220,140,70);

Role.setBounds(20,270,100,70);

Gender.setBounds(20,320,100,70);

Mobileno.setBounds(20,370,100,70);

Emailid.setBounds(180,43,165,23);

firstname.setBounds(180,93,165,23);

lastname.setBounds(180,143,165,23);

userid.setBounds(180,193,165,23);

passwords.setBounds(180,243,165,23);

roleCombo.setBounds(180,293,165,23);

genderCombo.setBounds(180,343,165,23);

mobileno.setBounds(180,393,165,23);

registerButton.setBounds(70,450,100,35);

resetButton.setBounds(220,450,100,35);

}

public void addComponentsToFrame()

{

frame.add(EmailId);

frame.add(FirstName);

frame.add(LastName);

frame.add(UserId);

frame.add(Password);

frame.add(Role);

frame.add(Gender);

frame.add(Mobileno);

frame.add(Emailid);

frame.add(firstname);

frame.add(lastname);

frame.add(userid);

frame.add(passwords);

frame.add(roleCombo);

frame.add(genderCombo);

frame.add(mobileno);

frame.add(registerButton);

frame.add(resetButton);

}

public void actionEvent()

{

registerButton.addActionListener(this);

resetButton.addActionListener(this);

}

/\*\*

\*

\*/

@Override

public void actionPerformed(ActionEvent e) {

if(e.getSource()==registerButton)

{

try {

Connection conn=DriverManager.getConnection("jdbc:sqlserver://DESKTOP-R1KFKCE\\DHILIP:1433;databaseName=pcsdb","sa","dhilipan");

//Preapared Statement

PreparedStatement Pstatement=conn.prepareStatement("insert into Employees values(?,?,?,?,?,?,?,?,?)");

//Specifying the values of it's parameter

Pstatement.setString(1,Emailid.getText());

Pstatement.setString(2,firstname.getText());

Pstatement.setString(3,lastname.getText());

Pstatement.setString(4,userid.getText());

Pstatement.setString(5,passwords.getText());

Pstatement.setString(6,roleCombo.getSelectedItem().toString());

Pstatement.setString(7,genderCombo.getSelectedItem().toString());

Pstatement.setString(8,"FALSE");

Pstatement.setString(9,mobileno.getText());

Pstatement.executeUpdate();

Statement stmt = conn.createStatement();

String sql = "UPDATE Employees SET Active='TRUE' WHERE Role='HRA'";

stmt.executeUpdate(sql);

JOptionPane.showMessageDialog(null,"Data Registered Successfully");

}

catch (SQLException e1) {

e1.printStackTrace();

}

}

if(e.getSource()==resetButton)

{

//Clearing Fields

Emailid.setText("");

firstname.setText("");

lastname.setText("");

userid.setText("");

passwords.setText("");

roleCombo.setSelectedItem("");

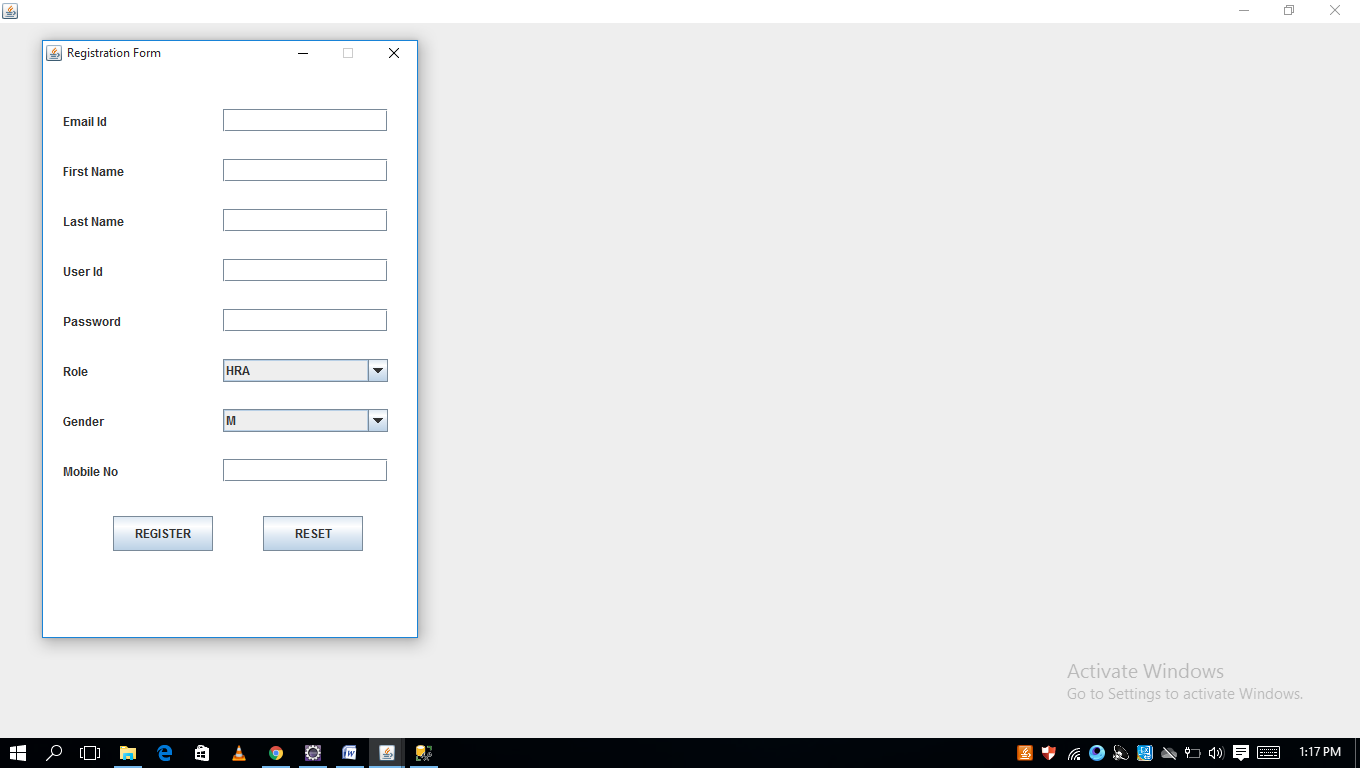
genderCombo.setSelectedItem("");

mobileno.setText("");

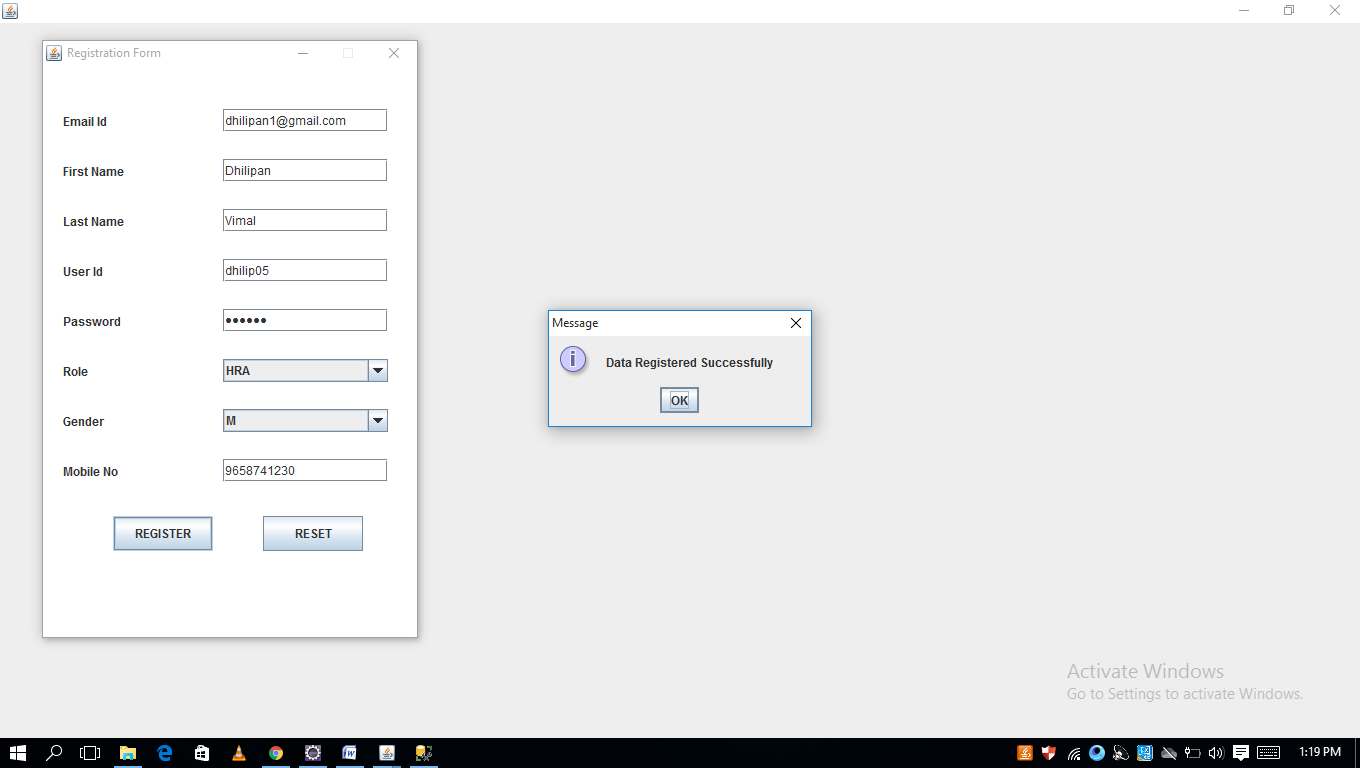
}

}

}



**REGISTRATION SUCCESSFUL:**



**LOGIN HRA:**

package Login;

import java.awt.FlowLayout;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import java.util.logging.Logger;

import javax.swing.JButton;

import javax.swing.JFrame;

import javax.swing.JLabel;

import javax.swing.JPanel;

import javax.swing.JTextField;

public class HR implements ActionListener {

private static final int EXIT\_ON\_CLOSE = 0;

JFrame frame = new JFrame("HR Window");

JButton Activate,Deactivate,Viewdata,Logout;

public void HR(String usr, String pwd){

createwindow();

addtoframe();

actionEvent(usr,pwd);

}

public void createwindow() {

Viewdata= new JButton("View Data");

Activate= new JButton("Activate Employee");

Deactivate= new JButton("Deactivate Employee");

Logout= new JButton("Log Out");

}

public void addtoframe() {

frame.add(Viewdata);

frame.add(Activate);

frame.add(Deactivate);

frame.add(Logout);

frame.setLayout(new FlowLayout());

frame.setSize(300,300);

frame.setVisible(true);

}

public void actionEvent(String usr, String pwd)

{

Activate.addActionListener(this);

Deactivate.addActionListener(this);

Logout.addActionListener(this);

Viewdata.addActionListener(new ActionListener()

{

public void actionPerformed(ActionEvent e)

{

try {

HRData frame = new HRData();

frame.HRData(usr,pwd);

frame.pack();

frame.setVisible(true);

} catch (ClassNotFoundException e1) {

// TODO Auto-generated catch block

e1.printStackTrace();

}

}

});

Activate.addActionListener(new ActionListener()

{

public void actionPerformed(ActionEvent e)

{

Activate act = new Activate();

act.Activate();

act.pack();

}

});

Deactivate.addActionListener(new ActionListener()

{

public void actionPerformed(ActionEvent e)

{

Deactivate dact = new Deactivate();

dact.Deactivate();

dact.pack();

}

});

}

public void actionPerformed(ActionEvent e) {

if(e.getSource()==Logout)

{

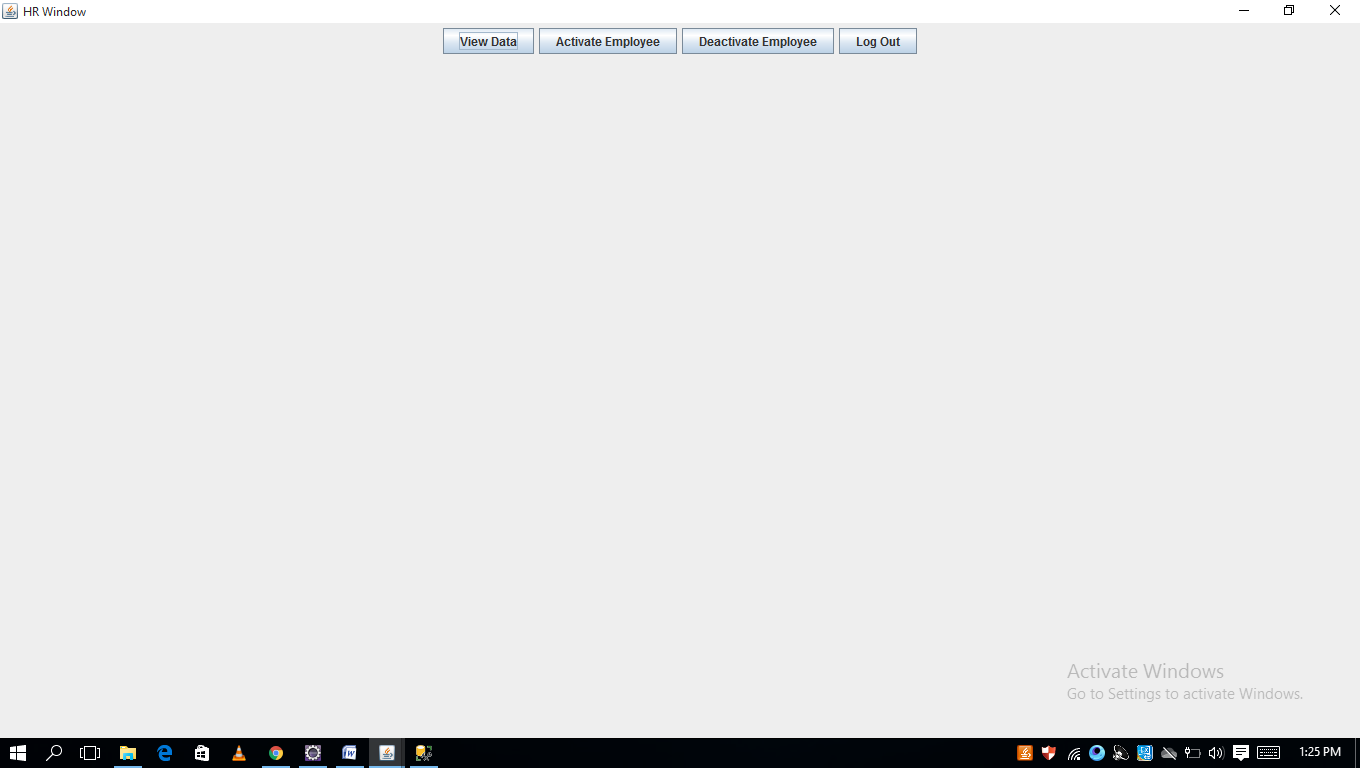
new log();

frame.dispose();

}

}

}



**TO VIEW DATA OF ALL EMPLOYEE:**

package Login;

import java.awt.\*;

import java.sql.\*;

import java.util.\*;

import javax.swing.\*;

import javax.swing.table.\*;

public class HRData extends JFrame

{

public void HRData(String usr,String pwd) throws ClassNotFoundException

{

ArrayList columnNames = new ArrayList();

ArrayList data = new ArrayList();

// Connect to an MySQL Database, run query, get result set

String url="jdbc:sqlserver://DESKTOP-R1KFKCE\\DHILIP:1433;databaseName=pcsdb;user=sa;password=dhilipan";

String username="sa";

String password="dhilipan";

Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");

//Connection conn=DriverManager.getConnection(url);

String sql = "SELECT \* FROM Employees";

// Java SE 7 has try-with-resources

// This will ensure that the sql objects are closed when the program

// is finished with them

try (Connection connection=DriverManager.getConnection(url);

Statement stmt = connection.createStatement();

ResultSet rs = stmt.executeQuery( sql ))

{

ResultSetMetaData md = rs.getMetaData();

int columns = md.getColumnCount();

// Get column names

for (int i = 1; i <= columns; i++)

{

columnNames.add( md.getColumnName(i) );

}

// Get row data

while (rs.next())

{

ArrayList row = new ArrayList(columns);

for (int i = 1; i <= columns; i++)

{

row.add( rs.getObject(i) );

}

data.add( row );

}

}

catch (SQLException e)

{

System.out.println( e.getMessage() );

}

Vector columnNamesVector = new Vector();

Vector dataVector = new Vector();

for (int i = 0; i < data.size(); i++)

{

ArrayList subArray = (ArrayList)data.get(i);

Vector subVector = new Vector();

for (int j = 0; j < subArray.size(); j++)

{

subVector.add(subArray.get(j));

}

dataVector.add(subVector);

}

for (int i = 0; i < columnNames.size(); i++ )

columnNamesVector.add(columnNames.get(i));

// Create table with database data

JTable table = new JTable(dataVector, columnNamesVector)

{

public Class getColumnClass(int column)

{

for (int row = 0; row < getRowCount(); row++)

{

Object o = getValueAt(row, column);

if (o != null)

{

return o.getClass();

}

}

return Object.class;

}

};

JScrollPane scrollPane = new JScrollPane( table );

getContentPane().add( scrollPane );

JPanel buttonPanel = new JPanel();

getContentPane().add( buttonPanel, BorderLayout.SOUTH );

}

// public static void main(String[] args) throws ClassNotFoundException

//{

// Data frame = new Data();

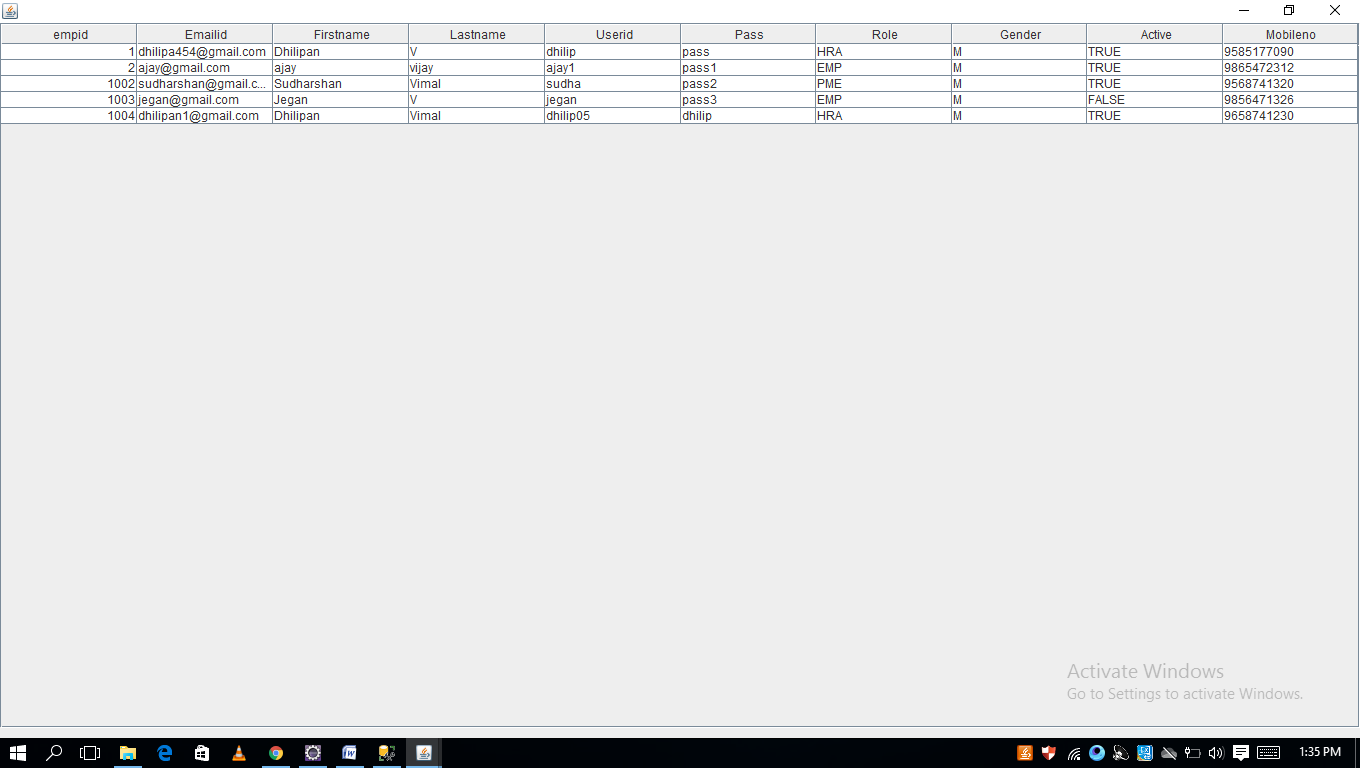
// frame.setDefaultCloseOperation( EXIT\_ON\_CLOSE );

// frame.pack();

// frame.setVisible(true);

//}

}



**TO ACTIVAT EMPLOYEE:**

package Login;

// Java program to create a blank text

// field of definite number of columns.

import java.awt.event.\*;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import javax.swing.\*;

public class Activate extends JFrame implements ActionListener {

// JTextField

static JTextField t;

// JFrame

static JFrame f;

// JButton

static JButton b;

// label to display text

static JLabel l;

// default constructor

public void Activate()

{

// main class

// create a new frame to store text field and button

f = new JFrame("textfield");

// create a label to display text

l = new JLabel("Enter User id");

// create a new button

b = new JButton("Activate");

// create a object of the text class

Activate act = new Activate();

// addActionListener to button

b.addActionListener(act);

// create a object of JTextField with 16 columns

t= new JTextField(4);

// create a panel to add buttons and textfield

JPanel p = new JPanel();

// add buttons and textfield to panel

p.add(t);

p.add(b);

p.add(l);

// add panel to frame

f.add(p);

// set the size of frame

f.setSize(300, 300);

f.show();

f.setVisible(true);

}

@Override

public void actionPerformed(ActionEvent e) {

String s = e.getActionCommand();

if (s.equals("Activate")) {

String url="jdbc:sqlserver://DESKTOP-R1KFKCE\\DHILIP:1433;databaseName=pcsdb;user=sa;password=dhilipan";

try {

Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");

Connection conn;

conn = DriverManager.getConnection(url);

String userid=t.getText();

PreparedStatement ps;

ps = conn.prepareStatement("update Employees set active='TRUE' where userid='"+userid+"'");

// ps.setString(1, userid);

ps.executeUpdate();

ps.close();

}

catch (SQLException e1) {

e1.printStackTrace();

} catch (ClassNotFoundException e1) {

e1.printStackTrace();

}

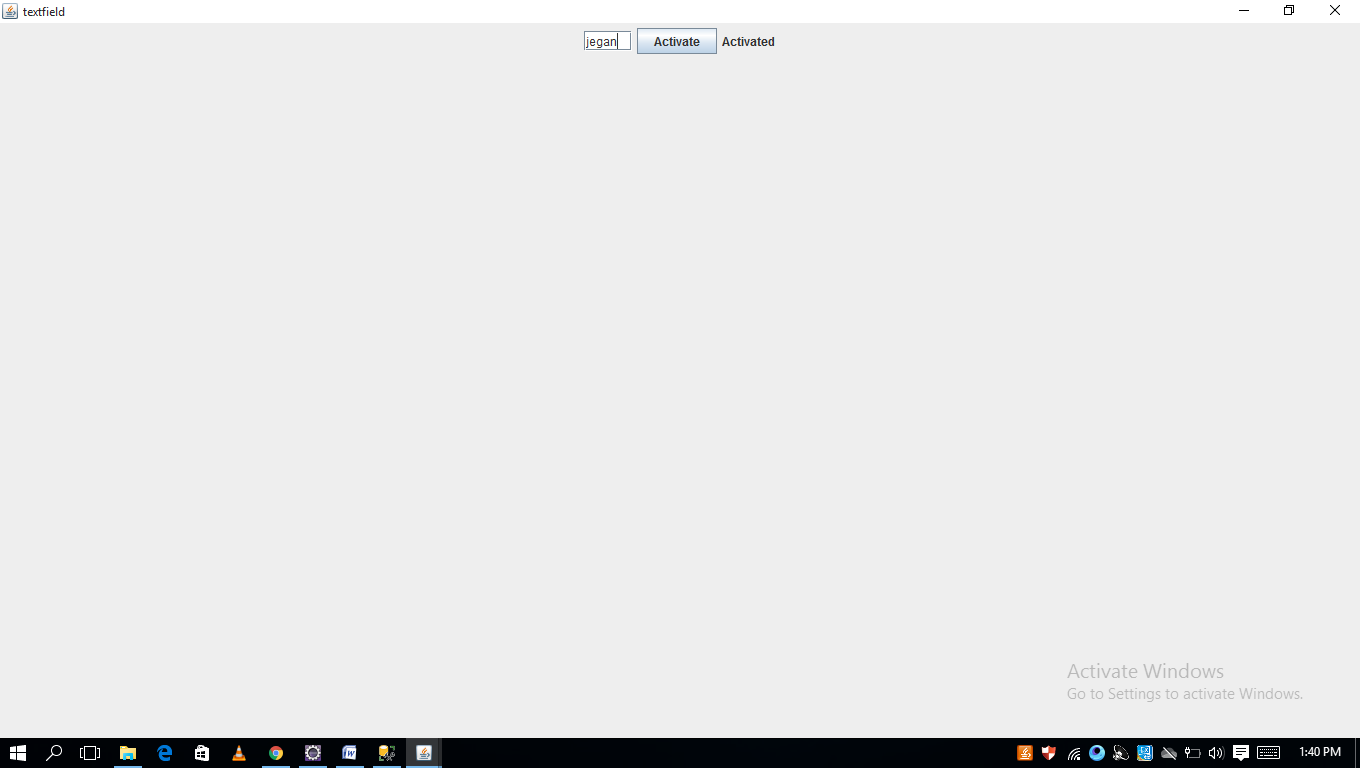
l.setText("Activated");

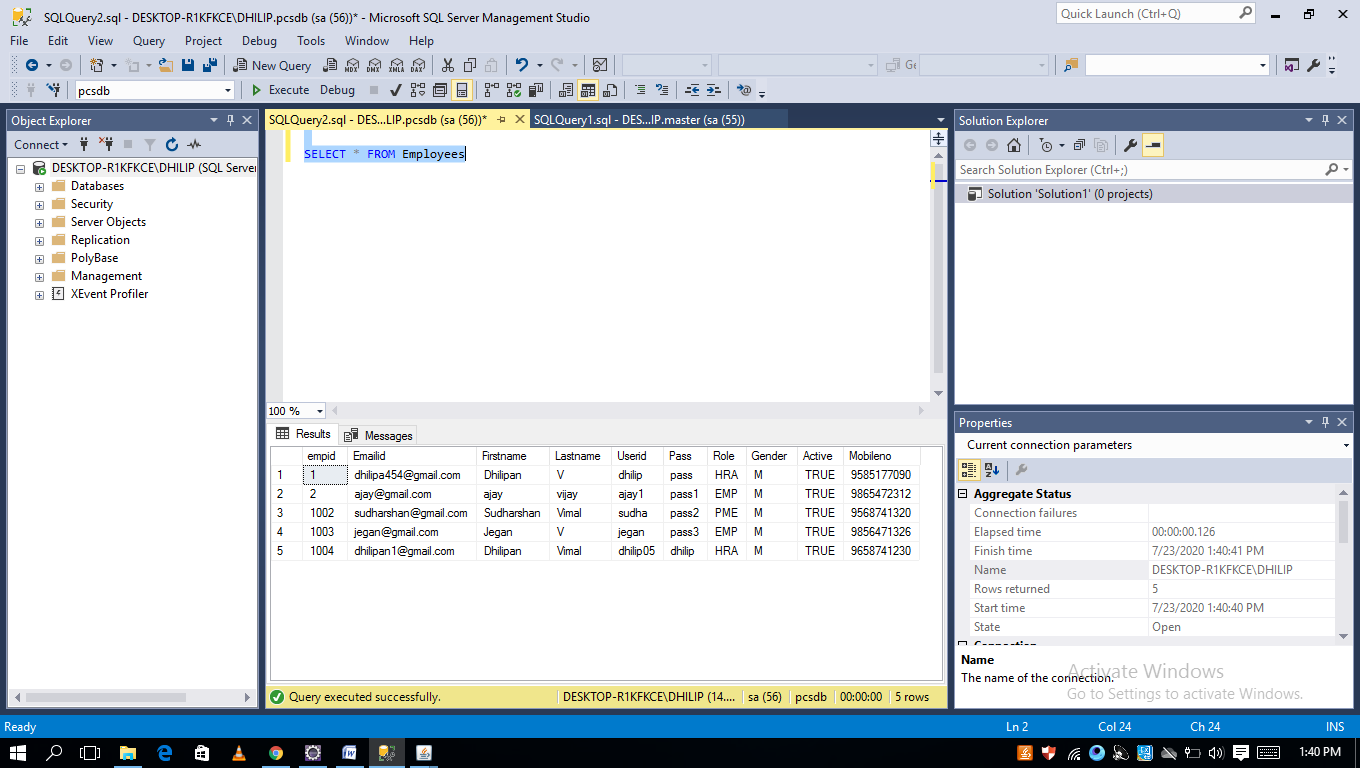
t.setText(" ");

}

}

}

****

****

**TO DEACTIVATE EMPLOYEE:**

package Login;

import java.awt.event.\*;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import javax.swing.\*;

public class Deactivate extends JFrame implements ActionListener {

// JTextField

static JTextField t;

// JFrame

static JFrame f;

// JButton

static JButton bb;

// label to display text

static JLabel l;

// default constructor

public void Deactivate()

{

// main class

// create a new frame to store text field and button

f = new JFrame("textfield");

// create a label to display text

l = new JLabel("Enter Employee id");

// create a new button

bb=new JButton("Deactivate");

// create a object of the text class

Deactivate dact = new Deactivate();

// addActionListener to button

bb.addActionListener(dact);

// create a object of JTextField with 16 columns

t= new JTextField(4);

// create a panel to add buttons and textfield

JPanel p = new JPanel();

// add buttons and textfield to panel

p.add(t);

p.add(bb);

p.add(l);

// add panel to frame

f.add(p);

// set the size of frame

f.setSize(300, 300);

f.show();

f.setVisible(true);

}

@Override

public void actionPerformed(ActionEvent e) {

String s = e.getActionCommand();

if (s.equals("Deactivate")){

String url="jdbc:sqlserver://DESKTOP-R1KFKCE\\DHILIP:1433;databaseName=pcsdb;user=sa;password=dhilipan";

try {

Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");

Connection conn;

conn = DriverManager.getConnection(url);

String userid=t.getText();

PreparedStatement ps1;

ps1 = conn.prepareStatement("update Employees set active='FALSE' where userid='"+userid+"'");

// ps.setString(1, userid);

ps1.executeUpdate();

ps1.close();

}

catch (SQLException e1) {

e1.printStackTrace();

} catch (ClassNotFoundException e1) {

e1.printStackTrace();

}

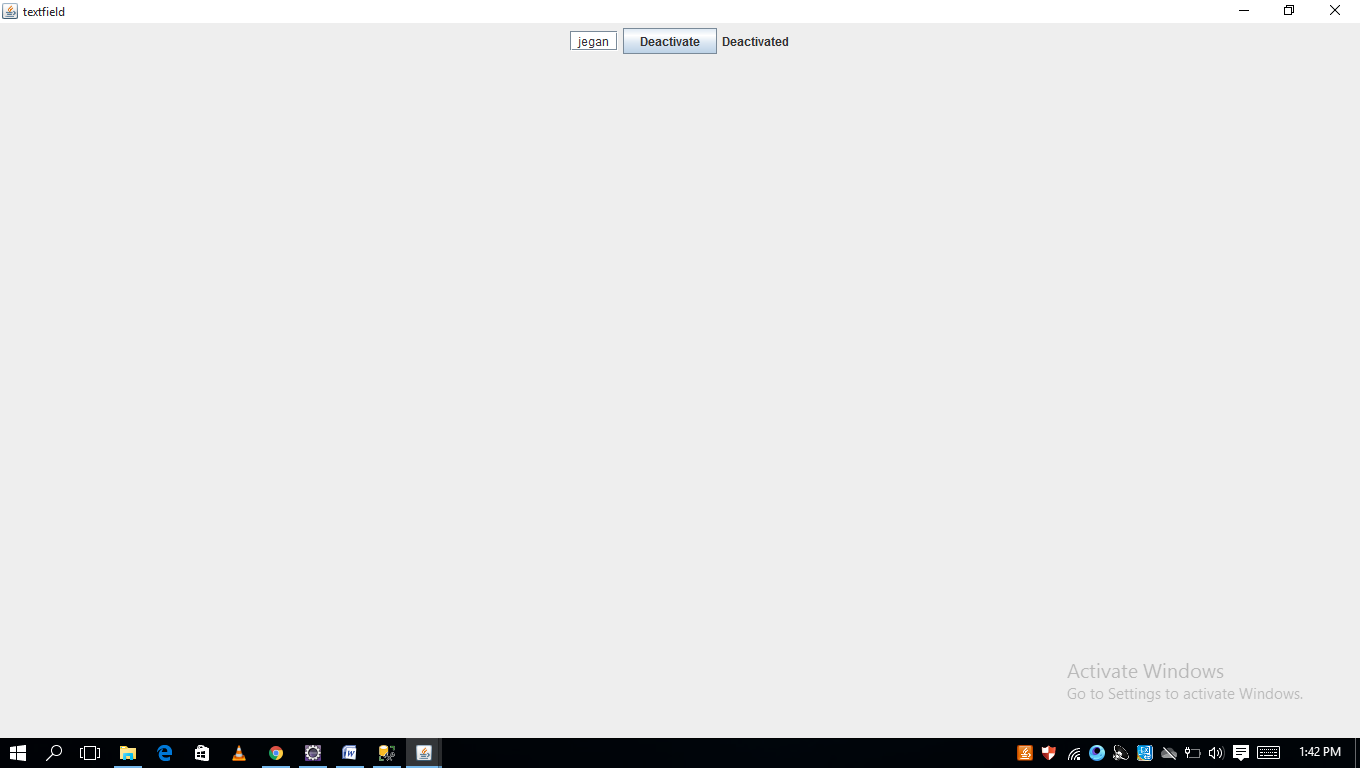
l.setText("Deactivated");

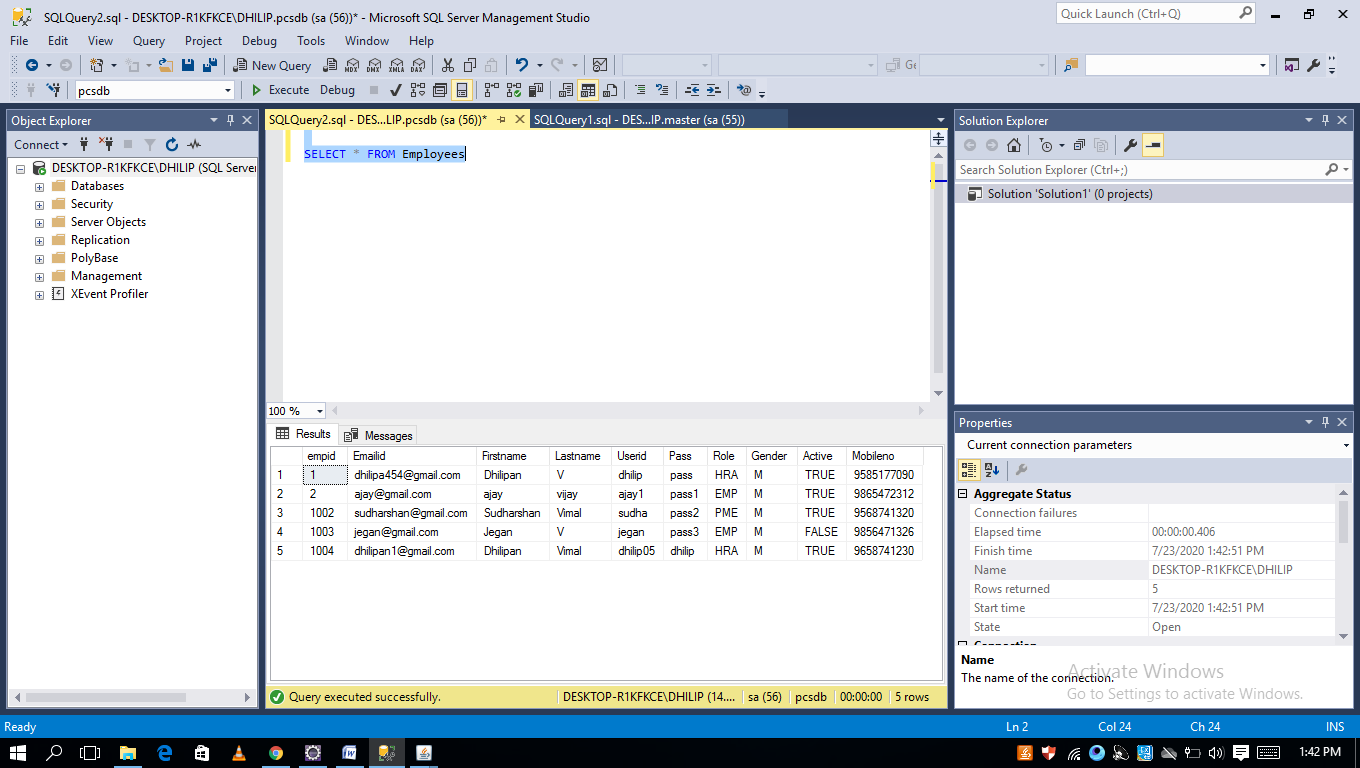
t.setText(" ");

}

}

}





**PROJECT MANAGER WINDOW:**

package Login;

import java.awt.FlowLayout;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import javax.swing.JButton;

import javax.swing.JFrame;

public class ProjectManager implements ActionListener {

private static final String String = null;

JFrame frame = new JFrame("Project Manager Window");

JButton Viewdata,Addjob, Changepass,Logout;

public void ProjectManager(String usr, String pwd){

createwindow();

addtoframe();

actionEvent(usr,pwd);

}

public void createwindow() {

Viewdata= new JButton("View Employee Data");

Addjob= new JButton("Add Job");

Changepass= new JButton("Change Password");

Logout= new JButton("Log Out");

}

public void addtoframe() {

frame.add(Viewdata);

frame.add(Addjob);

frame.add(Changepass);

frame.add(Logout);

frame.setLayout(new FlowLayout());

frame.setSize(300,300);

frame.setVisible(true);

}

public void actionEvent(String usr,String pwd)

{

Viewdata.addActionListener(this);

Addjob.addActionListener(this);

Changepass.addActionListener(this);

Logout.addActionListener(this);

Viewdata.addActionListener(new ActionListener()

{

public void actionPerformed(ActionEvent e)

{

try {

PMData frame = new PMData();

frame.PMData(usr,pwd);

frame.pack();

frame.setVisible(true);

} catch (ClassNotFoundException e1) {

// TODO Auto-generated catch block

e1.printStackTrace();

}

}

});

}

public void actionPerformed(ActionEvent e) {

if(e.getSource()==Addjob)

{

}

if(e.getSource()==Changepass)

{

}

if(e.getSource()==Logout)

{

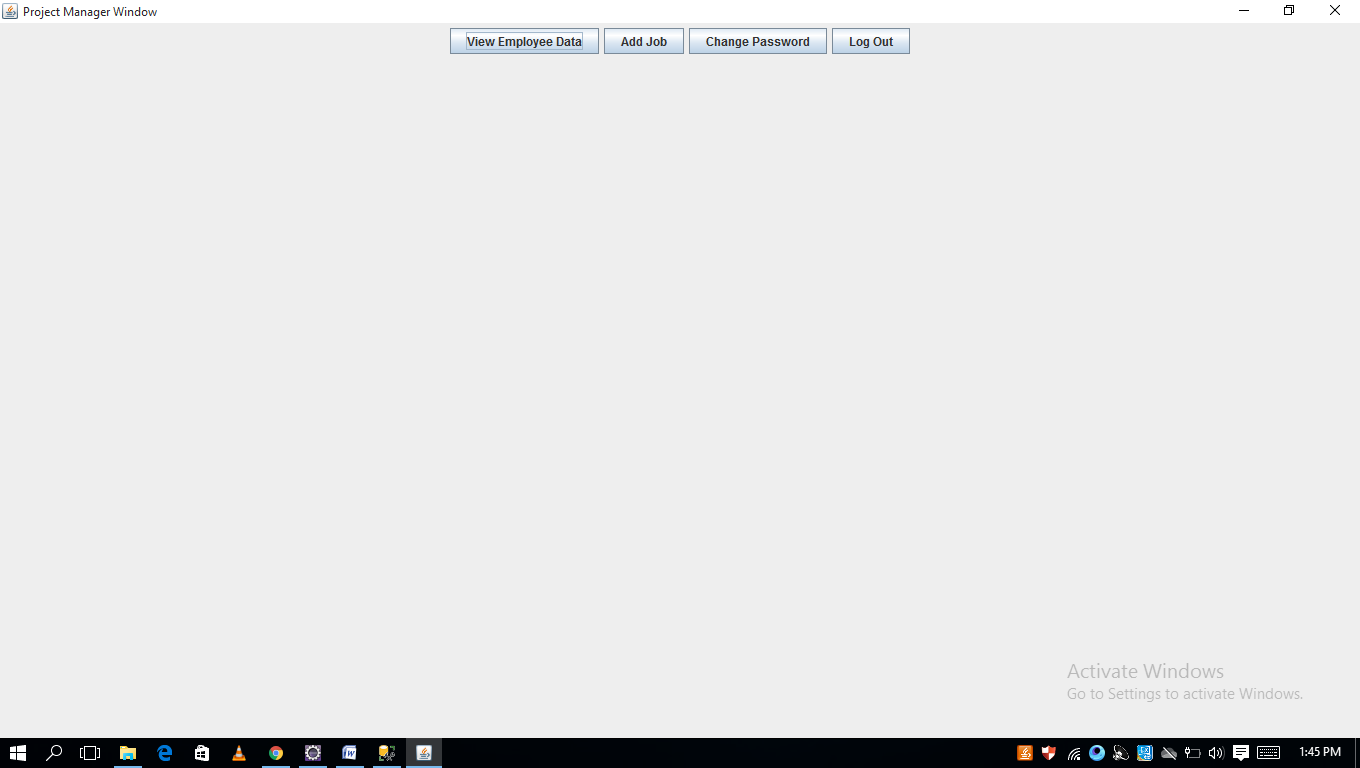
new log();

frame.dispose();

}

}

}

****

**VIEW ACTIVE EMPLOYEES ONLY:**

package Login;

import java.awt.\*;

import java.sql.\*;

import java.util.\*;

import javax.swing.\*;

import javax.swing.table.\*;

public class PMData extends JFrame

{

public void PMData(String usr,String pwd) throws ClassNotFoundException

{

ArrayList columnNames = new ArrayList();

ArrayList data = new ArrayList();

// Connect to an MySQL Database, run query, get result set

String url="jdbc:sqlserver://DESKTOP-R1KFKCE\\DHILIP:1433;databaseName=pcsdb;user=sa;password=dhilipan";

String username="sa";

String password="dhilipan";

Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");

//Connection conn=DriverManager.getConnection(url);

String sql = "SELECT \* FROM Employees where Active='TRUE'";

// Java SE 7 has try-with-resources

// This will ensure that the sql objects are closed when the program

// is finished with them

try (Connection connection=DriverManager.getConnection(url);

Statement stmt = connection.createStatement();

ResultSet rs = stmt.executeQuery( sql ))

{

ResultSetMetaData md = rs.getMetaData();

int columns = md.getColumnCount();

// Get column names

for (int i = 1; i <= columns; i++)

{

columnNames.add( md.getColumnName(i) );

}

// Get row data

while (rs.next())

{

ArrayList row = new ArrayList(columns);

for (int i = 1; i <= columns; i++)

{

row.add( rs.getObject(i) );

}

data.add( row );

}

}

catch (SQLException e)

{

System.out.println( e.getMessage() );

}

Vector columnNamesVector = new Vector();

Vector dataVector = new Vector();

for (int i = 0; i < data.size(); i++)

{

ArrayList subArray = (ArrayList)data.get(i);

Vector subVector = new Vector();

for (int j = 0; j < subArray.size(); j++)

{

subVector.add(subArray.get(j));

}

dataVector.add(subVector);

}

for (int i = 0; i < columnNames.size(); i++ )

columnNamesVector.add(columnNames.get(i));

// Create table with database data

JTable table = new JTable(dataVector, columnNamesVector)

{

public Class getColumnClass(int column)

{

for (int row = 0; row < getRowCount(); row++)

{

Object o = getValueAt(row, column);

if (o != null)

{

return o.getClass();

}

}

return Object.class;

}

};

JScrollPane scrollPane = new JScrollPane( table );

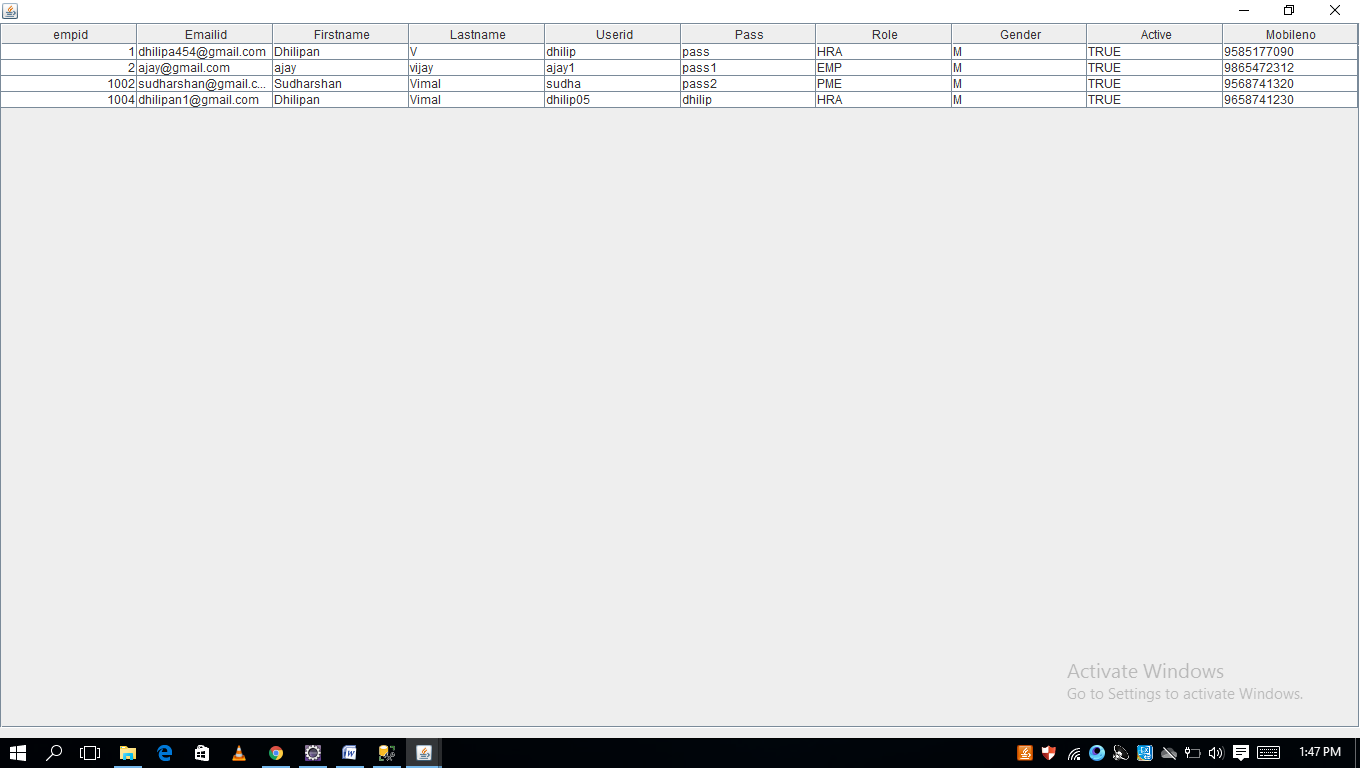
getContentPane().add( scrollPane );

JPanel buttonPanel = new JPanel();

getContentPane().add( buttonPanel, BorderLayout.SOUTH );

}

}



**EMPLOYEE WINDOW:**

package Login;

import java.awt.FlowLayout;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import reg.RegistrationForm;

import javax.swing.JButton;

import javax.swing.JFrame;

public class Employee implements ActionListener{

JFrame frame = new JFrame("Employee Window");

JButton Viewdata,Viewjob, Changepass,Logout;

public void Employee(String usr, String pwd){

createwindow();

addtoframe();

actionEvent(usr,pwd);

}

public void createwindow() {

Viewdata= new JButton("View Data");

Viewjob= new JButton("View Job");

Changepass= new JButton("Change Password");

Logout= new JButton("Log Out");

}

public void addtoframe() {

frame.add(Viewdata);

frame.add(Viewjob);

frame.add(Changepass);

frame.add(Logout);

Viewdata.addActionListener(this);

Viewjob.addActionListener(this);

Changepass.addActionListener(this);

Logout.addActionListener(this);

frame.setLayout(new FlowLayout());

frame.setSize(300,300);

frame.setVisible(true);

}

public void actionEvent(String usr, String pwd)

{

Viewdata.addActionListener(new ActionListener()

{

public void actionPerformed(ActionEvent e)

{

try {

Empdata frame = new Empdata();

frame.Empdata(usr,pwd);

frame.pack();

frame.setVisible(true);

} catch (ClassNotFoundException e1) {

// TODO Auto-generated catch block

e1.printStackTrace();

}

}

});

}

public void actionPerformed(ActionEvent e) {

// if(e.getSource()==Viewjob)

// {

//}

//if(e.getSource()==Changepass)

// {

// }

if(e.getSource()==Logout)

{

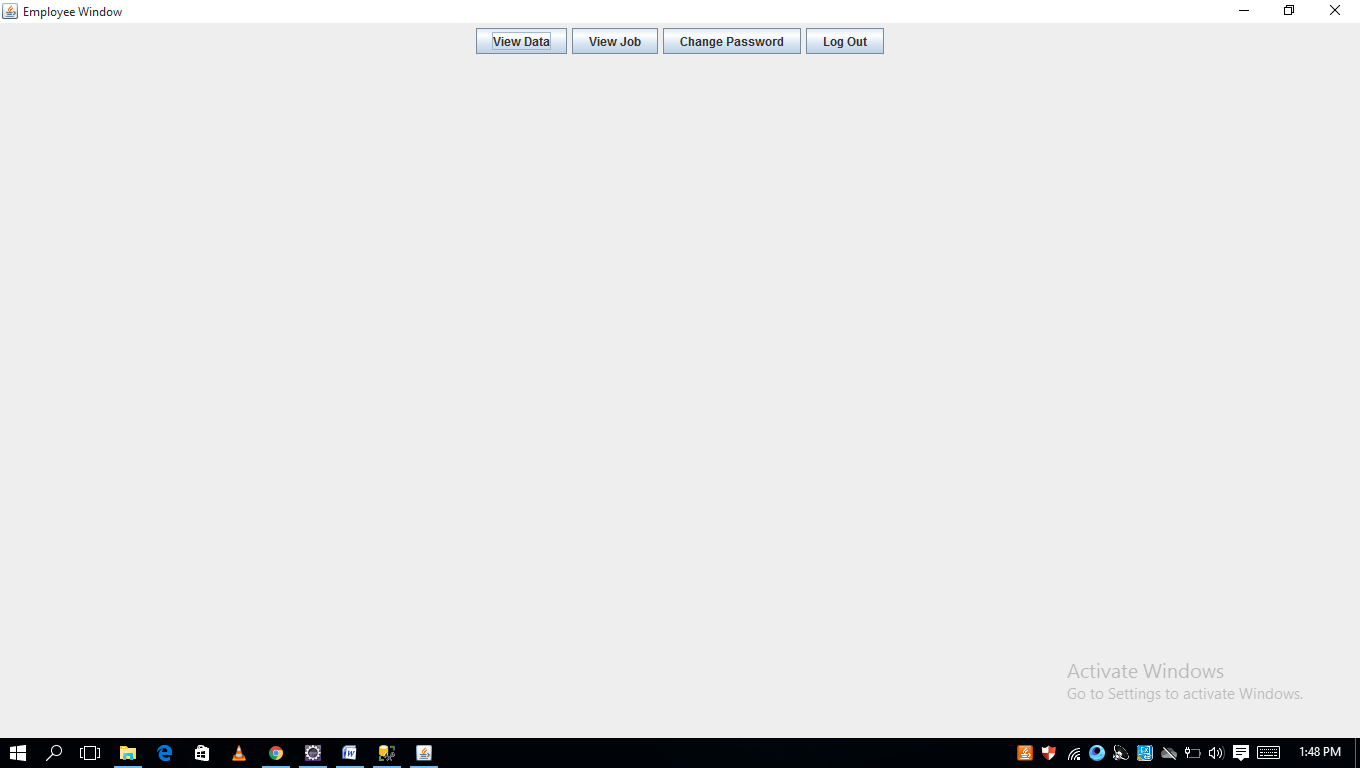
new log();

frame.dispose();

}

}

}

****

**VIEW DATA OF THE EMPLOYEE:**

package Login;

import java.awt.\*;

import java.sql.\*;

import java.util.\*;

import javax.swing.\*;

import javax.swing.table.\*;

import Login.login;

public class Empdata extends JFrame

{

public void Empdata(String usr,String pwd) throws ClassNotFoundException

{

ArrayList columnNames = new ArrayList();

ArrayList data = new ArrayList();

// Connect to an MySQL Database, run query, get result set

String url="jdbc:sqlserver://DESKTOP-R1KFKCE\\DHILIP:1433;databaseName=pcsdb;user=sa;password=dhilipan";

Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");

//Connection conn=DriverManager.getConnection(url);

String sql = "SELECT \* FROM Employees where Userid='"+usr+"' and Pass='"+pwd+"'";

// Java SE 7 has try-with-resources

// This will ensure that the sql objects are closed when the program

// is finished with them

try (Connection connection=DriverManager.getConnection(url);

Statement stmt = connection.createStatement();

ResultSet rs = stmt.executeQuery( sql ))

{

ResultSetMetaData md = rs.getMetaData();

int columns = md.getColumnCount();

// Get column names

for (int i = 1; i <= columns; i++)

{

columnNames.add( md.getColumnName(i) );

}

// Get row data

while (rs.next())

{

ArrayList row = new ArrayList(columns);

for (int i = 1; i <= columns; i++)

{

row.add( rs.getObject(i) );

}

data.add( row );

}

}

catch (SQLException e)

{

System.out.println( e.getMessage() );

}

Vector columnNamesVector = new Vector();

Vector dataVector = new Vector();

for (int i = 0; i < data.size(); i++)

{

ArrayList subArray = (ArrayList)data.get(i);

Vector subVector = new Vector();

for (int j = 0; j < subArray.size(); j++)

{

subVector.add(subArray.get(j));

}

dataVector.add(subVector);

}

for (int i = 0; i < columnNames.size(); i++ )

columnNamesVector.add(columnNames.get(i));

// Create table with database data

JTable table = new JTable(dataVector, columnNamesVector)

{

public Class getColumnClass(int column)

{

for (int row = 0; row < getRowCount(); row++)

{

Object o = getValueAt(row, column);

if (o != null)

{

return o.getClass();

}

}

return Object.class;

}

};

JScrollPane scrollPane = new JScrollPane( table );

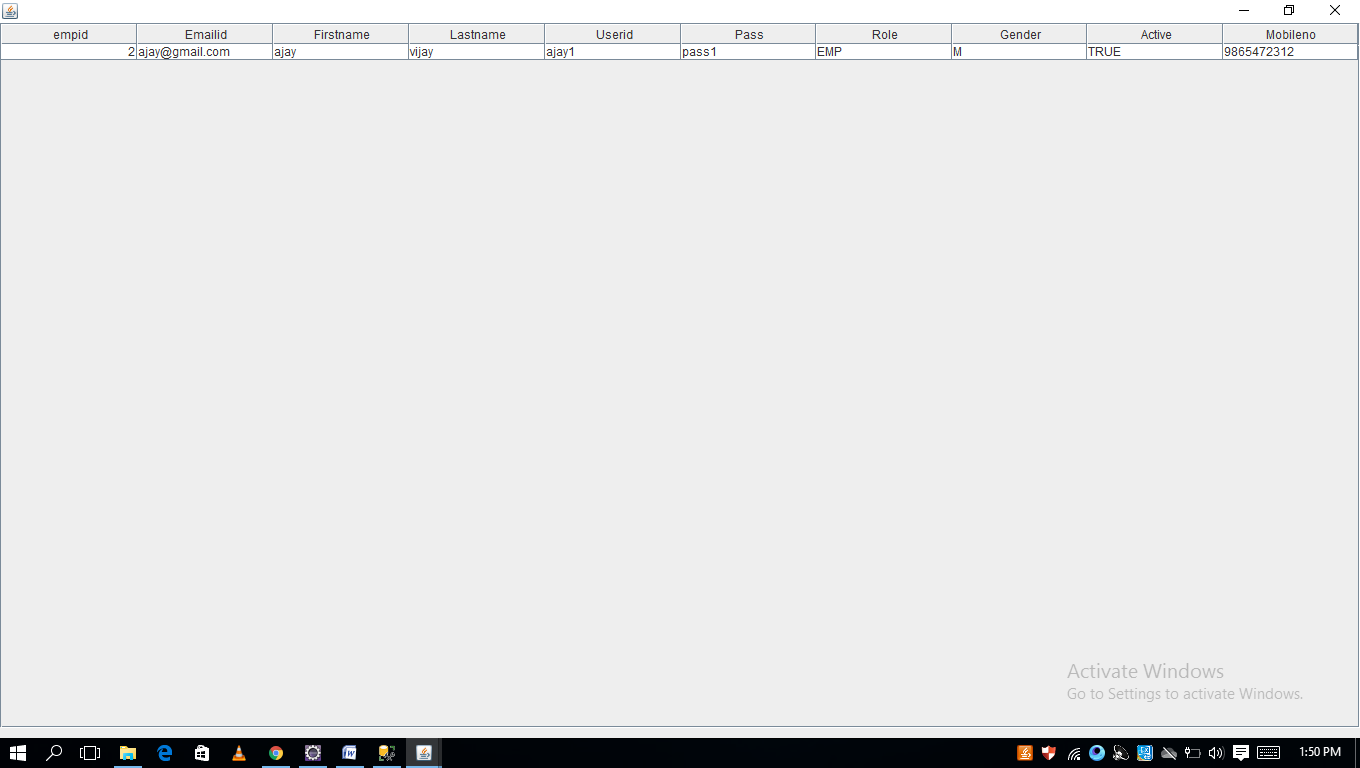
getContentPane().add( scrollPane );

JPanel buttonPanel = new JPanel();

getContentPane().add( buttonPanel, BorderLayout.SOUTH );

}

}

****