

Code

PAT Phase 3 – Grade 12

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Maragon Mooikloof

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1. Code 1

# Code

package hobbza**;**

/\*\*

\*

\* **@author** gaurd

\*/

**import** java**.**sql**.\*;**

**import** javax**.**swing**.**JOptionPane**;**

public class DB**{**

//Declare properties

private final String driver **=** "net.ucanaccess.jdbc.UcanaccessDriver"**;**

private final String url **=** "jdbc:ucanaccess://HobbyZA.accdb"**;**

private Connection connection**;**

private Statement statement**;**

private ResultSet resultSet**;**

public DB**(){**

**try{**

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

System**.**out**.**println**(**"Driver found"**);**

**}**

**catch** **(**ClassNotFoundException e**){**

JOptionPane**.**showMessageDialog**(null,** "Error: Database Driver not found"**);**

**}**

**try{**

connection **=** DriverManager**.**getConnection**(**url**);**

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

ResultSet resultSet **=** statement**.**executeQuery**(**"SELECT EmployeeID, Firstname, Surname, Manager FROM tblEmployees"**);**

**}**

**catch(**SQLException e**)** **{**

JOptionPane**.**showMessageDialog**(null,** "unable to connect"**);**

**}**

**}**

public ResultSet queryDB**(**String inStatement**)** **throws** SQLException**{**

statement **=** connection**.**createStatement**();**

resultSet **=** statement**.**executeQuery**(**inStatement**);**

**return** resultSet**;**

**}**

/\*\*

\*

\* **@param** inStatement

\* **@throws** SQLException

\*/

public void changeDB**(**String inStatement**)** **throws** SQLException**{**

statement **=** connection**.**createStatement**();**

statement**.**executeUpdate**(**inStatement**);**

statement**.**close**();**

**}**

**}**

/\*

\* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license

\* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template

\*/

package hobbza**;**

**import** java**.**io**.**IOException**;**

**import** java**.**sql**.\*;**

**import** javax**.**swing**.\*;**

/\*\*

\*

\* **@author** gaurd

\*/

public class EmployeeManager **{**

private DB HobbyZA **=** **new** DB**();**

ResultSet rs**;**

public EmployeeManager**()** **{**

**}**

public String getEmployeeData**()** **{**

String out **=** "EmployeeID\tName\t\tStoreID\t\tManager\t\tUsername\t\tPassword\n\n"**;**

String query **=** "SELECT \* FROM tblEmployees"**;**

**try** **{**

rs **=** HobbyZA**.**queryDB**(**query**);**

**while** **(**rs**.**next**())** **{**

out **+=** rs**.**getInt**(**"EmployeeID"**)** **+** "\t"**;**

out **+=** rs**.**getString**(**"Firstname"**)** **+** " "**;**

out **+=** rs**.**getString**(**"Surname"**)** **+** "\t\t"**;**

out **+=** rs**.**getInt**(**"StoreID"**)** **+** "\t\t"**;**

**if** **(**rs**.**getBoolean**(**"Manager"**))** **{**

out **+=** "yes\t\t"**;**

**}** **else** **{**

out **+=** "no\t\t"**;**

**}**

out **+=** rs**.**getString**(**"Username"**)** **+** "\t\t"**;**

out **+=** rs**.**getString**(**"Password"**)** **+** "\n"**;**

**}**

**}** **catch** **(**SQLException e**)** **{**

JOptionPane**.**showMessageDialog**(null,** "error data not found"**);**

**}**

**return** out**;**

**}**

public void addEmployeeToDB**(**int Store**,** String text**,** String text0**,** String text1**,** boolean Mngr**)** **throws** IOException **{**

String Login **=** ""**;**

//text is firstname and text0 is Surname

int rand **=** **(**int**)** **(**Math**.**random**()** **\*** **(**99 **-** 1 **+** 1**)** **+** 1**);**

String Username **=** text**.**substring**(**0**,** 3**)** **+** text0**.**substring**(**0**,** 3**)** **+** rand**;**

**try** **{**

HobbyZA**.**changeDB**(**"INSERT INTO tblEmployees(StoreID, Firstname, Surname, Username, Password, Manager)"

**+** " VALUES(" **+** Store **+** ", '" **+** text **+** "', '" **+** text0 **+** "', '" **+** Username **+** "', '" **+** text1 **+** "', " **+** Mngr **+** ")"**);**

**}** **catch** **(**SQLException e**)** **{**

JOptionPane**.**showMessageDialog**(null,** "Could not insert data"**);**

**}**

**}**

private void changeDB**(**String inStatement**)** **{**

**try** **{**

HobbyZA**.**changeDB**(**inStatement**);**

**}** **catch** **(**SQLException e**)** **{**

JOptionPane**.**showMessageDialog**(null,** "could not alter"**);**

**}**

**}**

//text = Firstname text0 = Surname text1 = Password text2 = Employee ID

public void updateEmployeeData**(**int Store**,** String text**,** String text0**,** String text1**,** boolean Mngr**,** String text2**)** **{**

int rand **=** **(**int**)** **(**Math**.**random**()** **\*** **(**99 **-** 1 **+** 1**)** **+** 1**);**

String Username **=** text**.**substring**(**0**,** 3**)** **+** text0**.**substring**(**0**,** 3**)** **+** rand**;**

String Login **=** ""**;**

changeDB**(**"UPDATE tblEmployees SET tblEmployees.StoreID = '"

**+** Store **+** "', tblEmployees.Firstname = '"

**+** text **+** "', tblEmployees.Surname = '"

**+** text0 **+** "', tblEmployees.Username = '"

**+** Username **+** "', tblEmployees.[Password] = '"

**+** text1 **+** "', tblEmployees.Manager = "

**+** Mngr **+** " WHERE (((tblEmployees.[EmployeeID])="

**+** Integer**.**parseInt**(**text2**)** **+** "))"**);**

**}**

public void deleteEmployeeFromDB**(**int ID**)** **{**

changeDB**(**"DELETE FROM tblEmployees WHERE EmployeeID = " **+** ID**);**

**}**

**}**

/\*

\* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license

\* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template

\*/

package hobbza**;**

/\*\*

\*

\* **@author** gaurd

\*/

public class Employee **{**

private String userName**,** password**;**

public Employee**(**String inUserName**,** String inPassword**)** **{**

**this.**userName **=** inUserName**;**

**this.**password **=** inPassword**;**

**}**

public String getUserName**()** **{**

**return** userName**;**

**}**

public String getPassword**()** **{**

**return** password**;**

**}**

public void setUserName**(**String userName**)** **{**

**this.**userName **=** userName**;**

**}**

public void setPassword**(**String password**)** **{**

**this.**password **=** password**;**

**}**

**}**

/\*

\* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license

\* Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template

\*/

package hobbza**;**

**import** java**.**io**.**FileWriter**;**

**import** java**.**io**.**IOException**;**

**import** java**.**sql**.**ResultSet**;**

**import** java**.**sql**.**SQLException**;**

**import** java**.**util**.**logging**.**Level**;**

**import** java**.**util**.**logging**.**Logger**;**

**import** javax**.**swing**.**ButtonModel**;**

**import** javax**.**swing**.**JOptionPane**;**

/\*\*

\*

\* **@author** gaurd

\*/

public class FrmMain **extends** javax**.**swing**.**JFrame **{**

private EmployeeArr users **=** **new** EmployeeArr**();**

EmployeeManager employee **=** **new** EmployeeManager**();**

DB HobbyZA **=** **new** DB**();**

**;**

ResultSet rs**;**

/\*\*

\* Creates new form FrmMain

\*/

public FrmMain**()** **{**

initComponents**();**

txaEmployee**.**setText**(**employee**.**getEmployeeData**());**

**}**

/\*\*

\* 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**()** **{**

javax**.**swing**.**ButtonGroup bngAlphSort **=** **new** javax**.**swing**.**ButtonGroup**();**

FrmAdd **=** **new** javax**.**swing**.**JFrame**();**

lblAddFirstname **=** **new** javax**.**swing**.**JLabel**();**

lblAddSurname **=** **new** javax**.**swing**.**JLabel**();**

lblAddManager **=** **new** javax**.**swing**.**JLabel**();**

txtFirstname **=** **new** javax**.**swing**.**JTextField**();**

txtSurname **=** **new** javax**.**swing**.**JTextField**();**

cboYesManager **=** **new** javax**.**swing**.**JCheckBox**();**

cboNoManager **=** **new** javax**.**swing**.**JCheckBox**();**

btnAdd **=** **new** javax**.**swing**.**JButton**();**

btnCancel **=** **new** javax**.**swing**.**JButton**();**

cbxAddStore **=** **new** javax**.**swing**.**JComboBox**<>();**

txtPassword **=** **new** javax**.**swing**.**JTextField**();**

lblAddPassword **=** **new** javax**.**swing**.**JLabel**();**

FrmUpdate **=** **new** javax**.**swing**.**JFrame**();**

lblUpdateFirstname **=** **new** javax**.**swing**.**JLabel**();**

lblUpdateSurname **=** **new** javax**.**swing**.**JLabel**();**

lblUpdateStore **=** **new** javax**.**swing**.**JLabel**();**

lblUpdateManager **=** **new** javax**.**swing**.**JLabel**();**

lblUpdatePassword **=** **new** javax**.**swing**.**JLabel**();**

txtUpdateFirstname **=** **new** javax**.**swing**.**JTextField**();**

txtUpdateSurname **=** **new** javax**.**swing**.**JTextField**();**

txtUpdatePassword **=** **new** javax**.**swing**.**JTextField**();**

cbxUpdateStore **=** **new** javax**.**swing**.**JComboBox**<>();**

cboUpdateYesManager **=** **new** javax**.**swing**.**JCheckBox**();**

cboUpdateNoManager **=** **new** javax**.**swing**.**JCheckBox**();**

btnUpdate **=** **new** javax**.**swing**.**JButton**();**

btnUpdateCancel **=** **new** javax**.**swing**.**JButton**();**

lblUpdateEmpID **=** **new** javax**.**swing**.**JLabel**();**

txtEmpID **=** **new** javax**.**swing**.**JTextField**();**

FrmDelete **=** **new** javax**.**swing**.**JFrame**();**

lblIDDelete **=** **new** javax**.**swing**.**JLabel**();**

txtDeleteID **=** **new** javax**.**swing**.**JTextField**();**

btnDelete **=** **new** javax**.**swing**.**JButton**();**

btnDeleteCancel **=** **new** javax**.**swing**.**JButton**();**

bngManager **=** **new** javax**.**swing**.**ButtonGroup**();**

bngUpdateEmployee **=** **new** javax**.**swing**.**ButtonGroup**();**

scpEmployee **=** **new** javax**.**swing**.**JScrollPane**();**

txaEmployee **=** **new** javax**.**swing**.**JTextArea**();**

lblStore **=** **new** javax**.**swing**.**JLabel**();**

cbxStore **=** **new** javax**.**swing**.**JComboBox**<>();**

lblSortAlph **=** **new** javax**.**swing**.**JLabel**();**

cboAsc **=** **new** javax**.**swing**.**JCheckBox**();**

cboDesc **=** **new** javax**.**swing**.**JCheckBox**();**

lblEmployee **=** **new** javax**.**swing**.**JLabel**();**

cbxEmployees **=** **new** javax**.**swing**.**JComboBox**<>();**

btnSearch **=** **new** javax**.**swing**.**JButton**();**

cboNone **=** **new** javax**.**swing**.**JCheckBox**();**

btnLogout **=** **new** javax**.**swing**.**JButton**();**

jButton1 **=** **new** javax**.**swing**.**JButton**();**

jButton2 **=** **new** javax**.**swing**.**JButton**();**

jButton3 **=** **new** javax**.**swing**.**JButton**();**

FrmAdd**.**setAlwaysOnTop**(true);**

FrmAdd**.**setSize**(new** java**.**awt**.**Dimension**(**300**,** 340**));**

lblAddFirstname**.**setText**(**"Firstname:"**);**

lblAddSurname**.**setText**(**"Surname:"**);**

lblAddManager**.**setText**(**"is manager"**);**

bngManager**.**add**(**cboYesManager**);**

cboYesManager**.**setText**(**"yes"**);**

bngManager**.**add**(**cboNoManager**);**

cboNoManager**.**setText**(**"no"**);**

btnAdd**.**setText**(**"add"**);**

btnAdd**.**addActionListener**(new** java**.**awt**.**event**.**ActionListener**()** **{**

public void actionPerformed**(**java**.**awt**.**event**.**ActionEvent evt**)** **{**

btnAddActionPerformed**(**evt**);**

**}**

**});**

btnCancel**.**setText**(**"cancel"**);**

btnCancel**.**addActionListener**(new** java**.**awt**.**event**.**ActionListener**()** **{**

public void actionPerformed**(**java**.**awt**.**event**.**ActionEvent evt**)** **{**

btnCancelActionPerformed**(**evt**);**

**}**

**});**

cbxAddStore**.**setModel**(new** javax**.**swing**.**DefaultComboBoxModel**<>(new** String**[]** **{** "FunTimez.co"**,** "Gadgetz" **}));**

lblAddPassword**.**setText**(**"Password:"**);**

javax**.**swing**.**GroupLayout FrmAddLayout **=** **new** javax**.**swing**.**GroupLayout**(**FrmAdd**.**getContentPane**());**

FrmAdd**.**getContentPane**().**setLayout**(**FrmAddLayout**);**

FrmAddLayout**.**setHorizontalGroup**(**

FrmAddLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**LEADING**)**

**.**addGroup**(**FrmAddLayout**.**createSequentialGroup**()**

**.**addContainerGap**()**

**.**addGroup**(**FrmAddLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**TRAILING**,** **false)**

**.**addComponent**(**cbxAddStore**,** 0**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** Short**.**MAX\_VALUE**)**

**.**addGroup**(**FrmAddLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**LEADING**)**

**.**addComponent**(**btnAdd**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** 100**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**)**

**.**addGroup**(**FrmAddLayout**.**createSequentialGroup**()**

**.**addGroup**(**FrmAddLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**LEADING**)**

**.**addGroup**(**FrmAddLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**LEADING**,** **false)**

**.**addComponent**(**lblAddManager**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** Short**.**MAX\_VALUE**)**

**.**addComponent**(**lblAddSurname**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** Short**.**MAX\_VALUE**)**

**.**addComponent**(**lblAddFirstname**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** 58**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**))**

**.**addComponent**(**lblAddPassword**))**

**.**addGap**(**18**,** 18**,** 18**)**

**.**addGroup**(**FrmAddLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**LEADING**,** **false)**

**.**addGroup**(**FrmAddLayout**.**createSequentialGroup**()**

**.**addComponent**(**cboYesManager**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** 85**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**)**

**.**addGap**(**18**,** 18**,** 18**)**

**.**addGroup**(**FrmAddLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**LEADING**,** **false)**

**.**addComponent**(**cboNoManager**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** Short**.**MAX\_VALUE**)**

**.**addComponent**(**btnCancel**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** 100**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**)))**

**.**addComponent**(**txtSurname**)**

**.**addComponent**(**txtFirstname**)**

**.**addComponent**(**txtPassword**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** 203**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**)))))**

**.**addContainerGap**(**javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** Short**.**MAX\_VALUE**))**

**);**

FrmAddLayout**.**setVerticalGroup**(**

FrmAddLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**LEADING**)**

**.**addGroup**(**FrmAddLayout**.**createSequentialGroup**()**

**.**addContainerGap**()**

**.**addGroup**(**FrmAddLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**BASELINE**)**

**.**addComponent**(**lblAddFirstname**)**

**.**addComponent**(**txtFirstname**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**))**

**.**addGap**(**18**,** 18**,** 18**)**

**.**addGroup**(**FrmAddLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**BASELINE**)**

**.**addComponent**(**lblAddSurname**)**

**.**addComponent**(**txtSurname**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**))**

**.**addGap**(**18**,** 18**,** 18**)**

**.**addGroup**(**FrmAddLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**BASELINE**)**

**.**addComponent**(**lblAddManager**)**

**.**addComponent**(**cboYesManager**)**

**.**addComponent**(**cboNoManager**))**

**.**addGap**(**18**,** 18**,** 18**)**

**.**addGroup**(**FrmAddLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**BASELINE**)**

**.**addComponent**(**txtPassword**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**)**

**.**addComponent**(**lblAddPassword**))**

**.**addGap**(**18**,** 18**,** 18**)**

**.**addComponent**(**cbxAddStore**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**)**

**.**addGap**(**18**,** 18**,** 18**)**

**.**addGroup**(**FrmAddLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**BASELINE**)**

**.**addComponent**(**btnAdd**)**

**.**addComponent**(**btnCancel**))**

**.**addContainerGap**(**72**,** Short**.**MAX\_VALUE**))**

**);**

FrmUpdate**.**setSize**(new** java**.**awt**.**Dimension**(**300**,** 345**));**

lblUpdateFirstname**.**setText**(**"Firstname: "**);**

lblUpdateSurname**.**setText**(**"Surname:"**);**

lblUpdateStore**.**setText**(**"Store:"**);**

lblUpdateManager**.**setText**(**"Manager:"**);**

lblUpdatePassword**.**setText**(**"Password:"**);**

cbxUpdateStore**.**setModel**(new** javax**.**swing**.**DefaultComboBoxModel**<>(new** String**[]** **{** "FunTimez.co"**,** "Gadgetz" **}));**

bngUpdateEmployee**.**add**(**cboUpdateYesManager**);**

cboUpdateYesManager**.**setText**(**"Yes"**);**

bngUpdateEmployee**.**add**(**cboUpdateNoManager**);**

cboUpdateNoManager**.**setText**(**"no"**);**

btnUpdate**.**setText**(**"Update"**);**

btnUpdate**.**addActionListener**(new** java**.**awt**.**event**.**ActionListener**()** **{**

public void actionPerformed**(**java**.**awt**.**event**.**ActionEvent evt**)** **{**

btnUpdateActionPerformed**(**evt**);**

**}**

**});**

btnUpdateCancel**.**setText**(**"Cancel"**);**

btnUpdateCancel**.**addActionListener**(new** java**.**awt**.**event**.**ActionListener**()** **{**

public void actionPerformed**(**java**.**awt**.**event**.**ActionEvent evt**)** **{**

btnUpdateCancelActionPerformed**(**evt**);**

**}**

**});**

lblUpdateEmpID**.**setText**(**"Employee ID:"**);**

javax**.**swing**.**GroupLayout FrmUpdateLayout **=** **new** javax**.**swing**.**GroupLayout**(**FrmUpdate**.**getContentPane**());**

FrmUpdate**.**getContentPane**().**setLayout**(**FrmUpdateLayout**);**

FrmUpdateLayout**.**setHorizontalGroup**(**

FrmUpdateLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**LEADING**)**

**.**addGroup**(**FrmUpdateLayout**.**createSequentialGroup**()**

**.**addContainerGap**()**

**.**addGroup**(**FrmUpdateLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**LEADING**)**

**.**addGroup**(**FrmUpdateLayout**.**createSequentialGroup**()**

**.**addComponent**(**btnUpdate**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** 90**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**)**

**.**addPreferredGap**(**javax**.**swing**.**LayoutStyle**.**ComponentPlacement**.**RELATED**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** Short**.**MAX\_VALUE**)**

**.**addComponent**(**btnUpdateCancel**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** 90**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**))**

**.**addGroup**(**FrmUpdateLayout**.**createSequentialGroup**()**

**.**addGroup**(**FrmUpdateLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**LEADING**)**

**.**addGroup**(**FrmUpdateLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**LEADING**,** **false)**

**.**addComponent**(**lblUpdateManager**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** Short**.**MAX\_VALUE**)**

**.**addComponent**(**lblUpdateStore**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** Short**.**MAX\_VALUE**)**

**.**addComponent**(**lblUpdateSurname**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** Short**.**MAX\_VALUE**)**

**.**addComponent**(**lblUpdateFirstname**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** Short**.**MAX\_VALUE**)**

**.**addComponent**(**lblUpdatePassword**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** Short**.**MAX\_VALUE**))**

**.**addComponent**(**lblUpdateEmpID**))**

**.**addPreferredGap**(**javax**.**swing**.**LayoutStyle**.**ComponentPlacement**.**RELATED**)**

**.**addGroup**(**FrmUpdateLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**LEADING**)**

**.**addGroup**(**FrmUpdateLayout**.**createSequentialGroup**()**

**.**addComponent**(**cboUpdateYesManager**)**

**.**addPreferredGap**(**javax**.**swing**.**LayoutStyle**.**ComponentPlacement**.**RELATED**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** Short**.**MAX\_VALUE**)**

**.**addComponent**(**cboUpdateNoManager**))**

**.**addComponent**(**txtUpdateFirstname**)**

**.**addComponent**(**txtUpdateSurname**)**

**.**addComponent**(**cbxUpdateStore**,** 0**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** Short**.**MAX\_VALUE**)**

**.**addComponent**(**txtUpdatePassword**)**

**.**addComponent**(**txtEmpID**))))**

**.**addContainerGap**())**

**);**

FrmUpdateLayout**.**setVerticalGroup**(**

FrmUpdateLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**LEADING**)**

**.**addGroup**(**FrmUpdateLayout**.**createSequentialGroup**()**

**.**addContainerGap**()**

**.**addGroup**(**FrmUpdateLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**BASELINE**)**

**.**addComponent**(**lblUpdateEmpID**)**

**.**addComponent**(**txtEmpID**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**))**

**.**addGap**(**18**,** 18**,** 18**)**

**.**addGroup**(**FrmUpdateLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**BASELINE**)**

**.**addComponent**(**lblUpdateFirstname**)**

**.**addComponent**(**txtUpdateFirstname**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**))**

**.**addGap**(**18**,** 18**,** 18**)**

**.**addGroup**(**FrmUpdateLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**BASELINE**)**

**.**addComponent**(**lblUpdateSurname**)**

**.**addComponent**(**txtUpdateSurname**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**))**

**.**addGap**(**18**,** 18**,** 18**)**

**.**addGroup**(**FrmUpdateLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**BASELINE**)**

**.**addComponent**(**lblUpdateStore**)**

**.**addComponent**(**cbxUpdateStore**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**))**

**.**addGap**(**18**,** 18**,** 18**)**

**.**addGroup**(**FrmUpdateLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**BASELINE**)**

**.**addComponent**(**lblUpdateManager**)**

**.**addComponent**(**cboUpdateYesManager**)**

**.**addComponent**(**cboUpdateNoManager**))**

**.**addGap**(**18**,** 18**,** 18**)**

**.**addGroup**(**FrmUpdateLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**BASELINE**)**

**.**addComponent**(**lblUpdatePassword**)**

**.**addComponent**(**txtUpdatePassword**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**))**

**.**addGap**(**18**,** 18**,** 18**)**

**.**addGroup**(**FrmUpdateLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**BASELINE**)**

**.**addComponent**(**btnUpdate**)**

**.**addComponent**(**btnUpdateCancel**))**

**.**addContainerGap**(**79**,** Short**.**MAX\_VALUE**))**

**);**

FrmDelete**.**setSize**(new** java**.**awt**.**Dimension**(**226**,** 179**));**

lblIDDelete**.**setText**(**"ID you want to delete:"**);**

btnDelete**.**setText**(**"Delete"**);**

btnDelete**.**addActionListener**(new** java**.**awt**.**event**.**ActionListener**()** **{**

public void actionPerformed**(**java**.**awt**.**event**.**ActionEvent evt**)** **{**

btnDeleteActionPerformed**(**evt**);**

**}**

**});**

btnDeleteCancel**.**setText**(**"cancel"**);**

btnDeleteCancel**.**addActionListener**(new** java**.**awt**.**event**.**ActionListener**()** **{**

public void actionPerformed**(**java**.**awt**.**event**.**ActionEvent evt**)** **{**

btnDeleteCancelActionPerformed**(**evt**);**

**}**

**});**

javax**.**swing**.**GroupLayout FrmDeleteLayout **=** **new** javax**.**swing**.**GroupLayout**(**FrmDelete**.**getContentPane**());**

FrmDelete**.**getContentPane**().**setLayout**(**FrmDeleteLayout**);**

FrmDeleteLayout**.**setHorizontalGroup**(**

FrmDeleteLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**LEADING**)**

**.**addGroup**(**FrmDeleteLayout**.**createSequentialGroup**()**

**.**addContainerGap**()**

**.**addGroup**(**FrmDeleteLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**LEADING**)**

**.**addGroup**(**FrmDeleteLayout**.**createSequentialGroup**()**

**.**addComponent**(**lblIDDelete**)**

**.**addPreferredGap**(**javax**.**swing**.**LayoutStyle**.**ComponentPlacement**.**UNRELATED**)**

**.**addComponent**(**txtDeleteID**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** 106**,** Short**.**MAX\_VALUE**))**

**.**addGroup**(**FrmDeleteLayout**.**createSequentialGroup**()**

**.**addComponent**(**btnDelete**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** 100**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**)**

**.**addPreferredGap**(**javax**.**swing**.**LayoutStyle**.**ComponentPlacement**.**RELATED**)**

**.**addComponent**(**btnDeleteCancel**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** Short**.**MAX\_VALUE**)))**

**.**addContainerGap**())**

**);**

FrmDeleteLayout**.**setVerticalGroup**(**

FrmDeleteLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**LEADING**)**

**.**addGroup**(**FrmDeleteLayout**.**createSequentialGroup**()**

**.**addContainerGap**()**

**.**addGroup**(**FrmDeleteLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**BASELINE**)**

**.**addComponent**(**lblIDDelete**)**

**.**addComponent**(**txtDeleteID**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**))**

**.**addGap**(**18**,** 18**,** 18**)**

**.**addGroup**(**FrmDeleteLayout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**BASELINE**)**

**.**addComponent**(**btnDelete**)**

**.**addComponent**(**btnDeleteCancel**))**

**.**addContainerGap**(**111**,** Short**.**MAX\_VALUE**))**

**);**

setDefaultCloseOperation**(**javax**.**swing**.**WindowConstants**.**EXIT\_ON\_CLOSE**);**

setAlwaysOnTop**(true);**

setBackground**(new** java**.**awt**.**Color**(**255**,** 51**,** 51**));**

setCursor**(new** java**.**awt**.**Cursor**(**java**.**awt**.**Cursor**.**HAND\_CURSOR**));**

setFont**(new** java**.**awt**.**Font**(**"Yu Gothic Medium"**,** 0**,** 10**));** // NOI18N

setForeground**(new** java**.**awt**.**Color**(**51**,** 255**,** 51**));**

txaEmployee**.**setEditable**(false);**

txaEmployee**.**setColumns**(**20**);**

txaEmployee**.**setRows**(**5**);**

scpEmployee**.**setViewportView**(**txaEmployee**);**

lblStore**.**setText**(**"Store"**);**

cbxStore**.**setModel**(new** javax**.**swing**.**DefaultComboBoxModel**<>(new** String**[]** **{** "<Select>"**,** "Store 1"**,** "Store 2" **}));**

lblSortAlph**.**setText**(**"Alphabetically sort:"**);**

bngAlphSort**.**add**(**cboAsc**);**

cboAsc**.**setText**(**"Asc"**);**

bngAlphSort**.**add**(**cboDesc**);**

cboDesc**.**setText**(**"Desc"**);**

lblEmployee**.**setText**(**"Employee"**);**

cbxEmployees**.**setModel**(new** javax**.**swing**.**DefaultComboBoxModel**<>(new** String**[]** **{** "ALL"**,** "MANAGER"**,** "EMPLOYEE" **}));**

btnSearch**.**setText**(**"search"**);**

btnSearch**.**addActionListener**(new** java**.**awt**.**event**.**ActionListener**()** **{**

public void actionPerformed**(**java**.**awt**.**event**.**ActionEvent evt**)** **{**

btnSearchActionPerformed**(**evt**);**

**}**

**});**

bngAlphSort**.**add**(**cboNone**);**

cboNone**.**setText**(**"none"**);**

btnLogout**.**setText**(**"Logout"**);**

btnLogout**.**addActionListener**(new** java**.**awt**.**event**.**ActionListener**()** **{**

public void actionPerformed**(**java**.**awt**.**event**.**ActionEvent evt**)** **{**

btnLogoutActionPerformed**(**evt**);**

**}**

**});**

jButton1**.**setText**(**"delete"**);**

jButton1**.**addActionListener**(new** java**.**awt**.**event**.**ActionListener**()** **{**

public void actionPerformed**(**java**.**awt**.**event**.**ActionEvent evt**)** **{**

jButton1ActionPerformed**(**evt**);**

**}**

**});**

jButton2**.**setText**(**"update"**);**

jButton2**.**addActionListener**(new** java**.**awt**.**event**.**ActionListener**()** **{**

public void actionPerformed**(**java**.**awt**.**event**.**ActionEvent evt**)** **{**

jButton2ActionPerformed**(**evt**);**

**}**

**});**

jButton3**.**setText**(**"add"**);**

jButton3**.**addActionListener**(new** java**.**awt**.**event**.**ActionListener**()** **{**

public void actionPerformed**(**java**.**awt**.**event**.**ActionEvent evt**)** **{**

jButton3ActionPerformed**(**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**()**

**.**addContainerGap**()**

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

**.**addComponent**(**scpEmployee**)**

**.**addGroup**(**layout**.**createSequentialGroup**()**

**.**addGap**(**93**,** 93**,** 93**)**

**.**addComponent**(**lblStore**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** 42**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**)**

**.**addPreferredGap**(**javax**.**swing**.**LayoutStyle**.**ComponentPlacement**.**RELATED**)**

**.**addComponent**(**cbxStore**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**)**

**.**addGap**(**18**,** 18**,** 18**)**

**.**addComponent**(**lblSortAlph**)**

**.**addGap**(**18**,** 18**,** 18**)**

**.**addComponent**(**cboAsc**)**

**.**addPreferredGap**(**javax**.**swing**.**LayoutStyle**.**ComponentPlacement**.**RELATED**)**

**.**addComponent**(**cboDesc**)**

**.**addPreferredGap**(**javax**.**swing**.**LayoutStyle**.**ComponentPlacement**.**RELATED**)**

**.**addComponent**(**cboNone**)**

**.**addGap**(**18**,** 18**,** 18**)**

**.**addComponent**(**lblEmployee**)**

**.**addGap**(**18**,** 18**,** 18**)**

**.**addComponent**(**cbxEmployees**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**)**

**.**addGap**(**18**,** 18**,** 18**)**

**.**addComponent**(**btnSearch**)**

**.**addGap**(**0**,** 63**,** Short**.**MAX\_VALUE**))**

**.**addGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**TRAILING**,** layout**.**createSequentialGroup**()**

**.**addComponent**(**jButton3**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** 125**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**)**

**.**addGap**(**18**,** 18**,** 18**)**

**.**addComponent**(**jButton2**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** 125**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**)**

**.**addGap**(**18**,** 18**,** 18**)**

**.**addComponent**(**jButton1**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** 125**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**)**

**.**addPreferredGap**(**javax**.**swing**.**LayoutStyle**.**ComponentPlacement**.**RELATED**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** Short**.**MAX\_VALUE**)**

**.**addComponent**(**btnLogout**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** 125**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**)))**

**.**addContainerGap**())**

**);**

layout**.**setVerticalGroup**(**

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

**.**addGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**TRAILING**,** layout**.**createSequentialGroup**()**

**.**addContainerGap**()**

**.**addGroup**(**layout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**BASELINE**)**

**.**addComponent**(**lblStore**)**

**.**addComponent**(**cbxStore**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**)**

**.**addComponent**(**lblSortAlph**)**

**.**addComponent**(**cboAsc**)**

**.**addComponent**(**cboDesc**)**

**.**addComponent**(**lblEmployee**)**

**.**addComponent**(**cbxEmployees**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**)**

**.**addComponent**(**btnSearch**)**

**.**addComponent**(**cboNone**))**

**.**addGap**(**18**,** 18**,** 18**)**

**.**addComponent**(**scpEmployee**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** 302**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**)**

**.**addGap**(**18**,** 18**,** 18**)**

**.**addGroup**(**layout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**BASELINE**)**

**.**addComponent**(**btnLogout**)**

**.**addComponent**(**jButton1**)**

**.**addComponent**(**jButton2**)**

**.**addComponent**(**jButton3**))**

**.**addGap**(**69**,** 69**,** 69**))**

**);**

setSize**(new** java**.**awt**.**Dimension**(**875**,** 464**));**

setLocationRelativeTo**(null);**

**}**// </editor-fold>

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

populateEmployeeData**();**

**}**

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

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

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

**}**

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

FrmAdd**.**setVisible**(true);**

**}**

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

int Store **=** 1**;**

boolean Mngr **=** **false;**

ButtonModel m **=** **null;**

cboNoManager**.**setSelected**(true);**

**if** **(**txtFirstname**.**getText**().**isBlank**()** **||** txtSurname**.**getText**().**isBlank**()** **||** txtPassword**.**getText**().**isEmpty**())** **{**

JOptionPane**.**showMessageDialog**(null,** "Missing fields"**);**

**}** **else** **{**

**if** **(**cbxAddStore**.**getSelectedItem**().**equals**(**"FunTimeZ.co"**))** **{**

Store **=** 1**;**

**}** **else** **if** **(**cbxAddStore**.**getSelectedItem**().**equals**(**"Gadgetz"**))** **{**

Store **=** 2**;**

**}**

**if** **(**cboYesManager**.**isSelected**())** **{**

Mngr **=** **true;**

**}** **else** **if** **(**cboNoManager**.**isSelected**())** **{**

Mngr **=** **false;**

**}**

**try** **{**

employee**.**addEmployeeToDB**(**Store**,** txtFirstname**.**getText**(),** txtSurname**.**getText**(),** txtPassword**.**getText**(),** Mngr**);**

**}** **catch** **(**IOException ex**)** **{**

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

**}**

populateEmployeeData**();**

FrmAdd**.**setVisible**(false);**

**}**

**}**

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

FrmAdd**.**setVisible**(false);**

**}**

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

int Store **=** 1**;**

boolean Mngr **=** **false;**

ButtonModel m **=** **null;**

Object EmpID **=** **null;**

cboUpdateNoManager**.**setSelected**(false);**

**if** **(**txtEmpID**.**getText**().**equals**(**""**)** **||** txtUpdateFirstname**.**getText**().**isBlank**()** **||** txtUpdateSurname**.**getText**().**isBlank**()** **||** txtUpdatePassword**.**getText**().**isBlank**())** **{**

JOptionPane**.**showMessageDialog**(null,** "Could not update"**);**

**}** **else** **{**

**if** **(**cboUpdateYesManager**.**isSelected**())** **{**

Mngr **=** **true;**

**}** **else** **if** **(**cboUpdateNoManager**.**isSelected**())** **{**

Mngr **=** **false;**

**}**

**if** **(**cbxUpdateStore**.**getSelectedItem**().**equals**(**"FunTimeZ.co"**))** **{**

Store **=** 1**;**

**}** **else** **if** **(**cbxUpdateStore**.**getSelectedItem**().**equals**(**"Gadgetz"**))** **{**

Store **=** 2**;**

**}**

employee**.**updateEmployeeData**(**Store**,** txtUpdateFirstname**.**getText**(),** txtUpdateSurname**.**getText**(),** txtUpdatePassword**.**getText**(),** Mngr**,** txtEmpID**.**getText**());**

populateEmployeeData**();**

FrmUpdate**.**setVisible**(false);**

**}**

**}**

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

FrmUpdate**.**setVisible**(false);**

**}**

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

FrmUpdate**.**setVisible**(true);**

**}**

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

FrmDelete**.**setVisible**(true);**

**}**

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

**if** **(**txtDeleteID**.**getText**().**isBlank**())** **{**

JOptionPane**.**showMessageDialog**(null,** "Please fill in ID"**);**

**}** **else** **{**

int num **=** Integer**.**parseInt**(**txtDeleteID**.**getText**());**

int confirm **=** JOptionPane**.**showConfirmDialog**(null,** "Are you sure"**,** "confirm"**,** JOptionPane**.**YES\_NO\_OPTION**);**

**if** **(**confirm **==** 0**)** **{**

employee**.**deleteEmployeeFromDB**(**Integer**.**parseInt**(**txtDeleteID**.**getText**()));**

populateEmployeeData**();**

**}**

**}**

FrmDelete**.**setVisible**(false);**

**}**

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

FrmUpdate**.**setVisible**(false);**

**}**

/\*\*

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

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

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

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

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

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

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

**}**

//</editor-fold>

/\* Create and display the form \*/

java**.**awt**.**EventQueue**.**invokeLater**(new** Runnable**()** **{**

@Override

public void run**()** **{**

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

**}**

**});**

**}**

// Variables declaration - do not modify

private javax**.**swing**.**JFrame FrmAdd**;**

private javax**.**swing**.**JFrame FrmDelete**;**

private javax**.**swing**.**JFrame FrmUpdate**;**

private javax**.**swing**.**ButtonGroup bngManager**;**

private javax**.**swing**.**ButtonGroup bngUpdateEmployee**;**

private javax**.**swing**.**JButton btnAdd**;**

private javax**.**swing**.**JButton btnCancel**;**

private javax**.**swing**.**JButton btnDelete**;**

private javax**.**swing**.**JButton btnDeleteCancel**;**

private javax**.**swing**.**JButton btnLogout**;**

private javax**.**swing**.**JButton btnSearch**;**

private javax**.**swing**.**JButton btnUpdate**;**

private javax**.**swing**.**JButton btnUpdateCancel**;**

private javax**.**swing**.**JCheckBox cboAsc**;**

private javax**.**swing**.**JCheckBox cboDesc**;**

private javax**.**swing**.**JCheckBox cboNoManager**;**

private javax**.**swing**.**JCheckBox cboNone**;**

private javax**.**swing**.**JCheckBox cboUpdateNoManager**;**

private javax**.**swing**.**JCheckBox cboUpdateYesManager**;**

private javax**.**swing**.**JCheckBox cboYesManager**;**

private javax**.**swing**.**JComboBox**<**String**>** cbxAddStore**;**

private javax**.**swing**.**JComboBox**<**String**>** cbxEmployees**;**

private javax**.**swing**.**JComboBox**<**String**>** cbxStore**;**

private javax**.**swing**.**JComboBox**<**String**>** cbxUpdateStore**;**

private javax**.**swing**.**JButton jButton1**;**

private javax**.**swing**.**JButton jButton2**;**

private javax**.**swing**.**JButton jButton3**;**

private javax**.**swing**.**JLabel lblAddFirstname**;**

private javax**.**swing**.**JLabel lblAddManager**;**

private javax**.**swing**.**JLabel lblAddPassword**;**

private javax**.**swing**.**JLabel lblAddSurname**;**

private javax**.**swing**.**JLabel lblEmployee**;**

private javax**.**swing**.**JLabel lblIDDelete**;**

private javax**.**swing**.**JLabel lblSortAlph**;**

private javax**.**swing**.**JLabel lblStore**;**

private javax**.**swing**.**JLabel lblUpdateEmpID**;**

private javax**.**swing**.**JLabel lblUpdateFirstname**;**

private javax**.**swing**.**JLabel lblUpdateManager**;**

private javax**.**swing**.**JLabel lblUpdatePassword**;**

private javax**.**swing**.**JLabel lblUpdateStore**;**

private javax**.**swing**.**JLabel lblUpdateSurname**;**

private javax**.**swing**.**JScrollPane scpEmployee**;**

private javax**.**swing**.**JTextArea txaEmployee**;**

private javax**.**swing**.**JTextField txtDeleteID**;**

private javax**.**swing**.**JTextField txtEmpID**;**

private javax**.**swing**.**JTextField txtFirstname**;**

private javax**.**swing**.**JTextField txtPassword**;**

private javax**.**swing**.**JTextField txtSurname**;**

private javax**.**swing**.**JTextField txtUpdateFirstname**;**

private javax**.**swing**.**JTextField txtUpdatePassword**;**

private javax**.**swing**.**JTextField txtUpdateSurname**;**

// End of variables declaration

private void populateEmployeeData**()** **{**

String out **=** "EmployeeID\tName\t\tStoreID\t\tManager\t\tUsername\t\tPassword\n\n"**;**

String query **=** "SELECT \* FROM tblEmployees "**;**

txaEmployee**.**setText**(**""**);**

String store **=** ""**,** sort **=** ""**,** employees **=** ""**,** where **=** ""**,** and **=** ""**;**

boolean twoWhere **=** **false,** beforeSort **=** **false;**

//the sort by store

**if** **(**cbxStore**.**getSelectedItem**().**equals**(**"Store 1"**))** **{**

query **+=** " WHERE StoreID = 1 "**;**

twoWhere **=** **true;**

**}** **else** **if** **(**cbxStore**.**getSelectedItem**().**equals**(**"Store 2"**))** **{**

query **+=** " WHERE StoreID = 2 "**;**

twoWhere **=** **true;**

**}**

//sort by the employment status of a person

**if** **(**cbxEmployees**.**getSelectedItem**().**equals**(**"MANAGER"**)** **&&** twoWhere **==** **false)** **{**

query **+=** " WHERE Manager = true "**;**

beforeSort **=** **true;**

**}** **else** **if** **(**cbxEmployees**.**getSelectedItem**().**equals**(**"EMPLOYEE"**)** **&&** twoWhere **==** **false)** **{**

query **+=** " WHERE Manager = false "**;**

beforeSort **=** **true;**

**}** **else** **if** **(**cbxEmployees**.**getSelectedItem**().**equals**(**"MANAGER"**)** **&&** twoWhere **==** **true)** **{**

query **+=** "AND Manager = true "**;**

beforeSort **=** **true;**

**}** **else** **if** **(**cbxEmployees**.**getSelectedItem**().**equals**(**"EMPLOYEE"**)** **&&** twoWhere **==** **true)** **{**

employees **=** "AND Manager = false "**;**

beforeSort **=** **true;**

**}**

//sort name

**if** **(**cboAsc**.**isSelected**()** **&&** beforeSort **==** **true)** **{**

query **+=** " ORDER BY Firstname "**;**

**}** **else** **if** **(**cboDesc**.**isSelected**()** **&&** beforeSort **==** **true)** **{**

query **+=** " ORDER BY Firstname desc"**;**

**}** **else** **if** **(**cboAsc**.**isSelected**()** **&&** beforeSort **==** **false)** **{**

query **+=** "ORDER BY Firstname "**;**

**}** **else** **if** **(**cboDesc**.**isSelected**()** **&&** beforeSort **==** **false)** **{**

query **+=** "ORDER BY Firstname desc"**;**

**}**

**try{**

rs **=** HobbyZA**.**queryDB**(**query**);**

**while** **(**rs**.**next**()){**

out **+=** rs**.**getInt**(**"EmployeeID"**)** **+** "\t"**;**

out **+=** rs**.**getString**(**"Firstname"**)** **+** " "**;**

out **+=** rs**.**getString**(**"Surname"**)** **+** "\t\t"**;**

out **+=** rs**.**getInt**(**"StoreID"**)** **+** "\t\t"**;**

**if** **(**rs**.**getBoolean**(**"Manager"**))** **{**

out **+=** "yes\t\t"**;**

**}else{**

out **+=** "no\t\t"**;**

**}**

out **+=** rs**.**getString**(**"Username"**)** **+** "\t\t"**;**

out **+=** rs**.**getString**(**"Password"**)** **+** "\n"**;**

**}**

txaEmployee**.**setText**(**out**);**

**}** **catch** **(**SQLException e**)** **{**

JOptionPane**.**showMessageDialog**(null,** "error data not found"**);**

**}**

**}**

**}**

/\*

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\*/

package hobbza**;**

**import** java**.**io**.\*;**

**import** java**.**util**.\*;**

**import** java**.**util**.**logging**.**Level**;**

**import** java**.**util**.**logging**.**Logger**;**

**import** javax**.**swing**.**JOptionPane**;**

**import** javax**.**swing**.**JPasswordField**;**

/\*\*

\*

\* **@author** gaurd

\*/

public class EmployeeArr **{**

private Employee userArr**[]** **=** **new** Employee**[**50**];**

private int size **=** 0**;**

public EmployeeArr**()** **{**

**try{**

size **=** 0**;**

Scanner scFile **=** **new** Scanner**(new** File**(**"Users.txt"**));**

**do** **{**

String line **=** scFile**.**nextLine**();**

Scanner scTokens **=** **new** Scanner**(**line**).**useDelimiter**(**"#"**);**

String username **=** scTokens**.**next**();**

String password **=** scTokens**.**next**();**

userArr**[**size**]** **=** **new** Employee**(**username**,** password**);**

size**++;**

**}** **while** **(**scFile**.**hasNext**());**

scFile**.**close**();**

**}** **catch** **(**FileNotFoundException f**)** **{**

JOptionPane**.**showMessageDialog**(null,** "File not found"**);**

**}**

**}**

public boolean userExists**(**String inUserName**){**

boolean found **=** **false;**

**for** **(**int i **=** 0**;** i **<** size**;** i**++)** **{**

**if** **(**userArr**[**i**].**getUserName**().**equals**(**inUserName**))** **{**

found **=** **true;**

**break;**

**}**

**}**

**return** found**;**

**}**

public boolean passwordValid**(**String inUserName**,** JPasswordField inPassword**){**

boolean valid **=** **false;**

char**[]** input **=** inPassword**.**getPassword**();**

**for** **(**int i **=** 0**;** i **<** size**;** i**++)** **{**

**if** **(**userArr**[**i**].**getUserName**().**equals**(**inUserName**))** **{**

char**[]** correctPassword **=** userArr**[**i**].**getPassword**().**toCharArray**();**

**if** **(**input**.**length **!=** correctPassword**.**length**)** **{**

valid **=** **false;**

**}** **else{**

valid **=** Arrays**.**equals**(**input**,** correctPassword**);**

**}**

**}**

**}**

**return** valid**;**

**}**

**}**

/\*

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\*/

package hobbza**;**

**import** javax**.**swing**.**JOptionPane**;**

/\*\*

\*

\* **@author** gaurd

\*/

public class FrmLogin **extends** javax**.**swing**.**JFrame **{**

private EmployeeArr users **=** **new** EmployeeArr**();**

/\*\*

\* Creates new form FrmMain

\*/

public FrmLogin**()** **{**

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**()** **{**

lblUserName **=** **new** javax**.**swing**.**JLabel**();**

lblPassword **=** **new** javax**.**swing**.**JLabel**();**

pwfPassword **=** **new** javax**.**swing**.**JPasswordField**();**

txtUsername **=** **new** javax**.**swing**.**JTextField**();**

btnLogin **=** **new** javax**.**swing**.**JButton**();**

btnQuit **=** **new** javax**.**swing**.**JButton**();**

setDefaultCloseOperation**(**javax**.**swing**.**WindowConstants**.**EXIT\_ON\_CLOSE**);**

setTitle**(**"Login"**);**

lblUserName**.**setText**(**"Username"**);**

lblPassword**.**setText**(**"Password"**);**

btnLogin**.**setText**(**"Login"**);**

btnLogin**.**addActionListener**(new** java**.**awt**.**event**.**ActionListener**()** **{**

public void actionPerformed**(**java**.**awt**.**event**.**ActionEvent evt**)** **{**

btnLoginActionPerformed**(**evt**);**

**}**

**});**

btnQuit**.**setText**(**"Quit"**);**

btnQuit**.**addActionListener**(new** java**.**awt**.**event**.**ActionListener**()** **{**

public void actionPerformed**(**java**.**awt**.**event**.**ActionEvent evt**)** **{**

btnQuitActionPerformed**(**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**()**

**.**addContainerGap**()**

**.**addGroup**(**layout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**LEADING**,** **false)**

**.**addComponent**(**btnLogin**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** Short**.**MAX\_VALUE**)**

**.**addGroup**(**layout**.**createSequentialGroup**()**

**.**addGroup**(**layout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**LEADING**,** **false)**

**.**addComponent**(**lblUserName**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** Short**.**MAX\_VALUE**)**

**.**addComponent**(**lblPassword**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** 78**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**))**

**.**addPreferredGap**(**javax**.**swing**.**LayoutStyle**.**ComponentPlacement**.**RELATED**)**

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

**.**addComponent**(**txtUsername**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** 133**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**)**

**.**addComponent**(**pwfPassword**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** 133**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**)))**

**.**addComponent**(**btnQuit**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** Short**.**MAX\_VALUE**))**

**.**addContainerGap**(**javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** Short**.**MAX\_VALUE**))**

**);**

layout**.**setVerticalGroup**(**

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

**.**addGroup**(**layout**.**createSequentialGroup**()**

**.**addContainerGap**()**

**.**addGroup**(**layout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**BASELINE**)**

**.**addComponent**(**lblUserName**)**

**.**addComponent**(**txtUsername**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**))**

**.**addGap**(**18**,** 18**,** 18**)**

**.**addGroup**(**layout**.**createParallelGroup**(**javax**.**swing**.**GroupLayout**.**Alignment**.**BASELINE**)**

**.**addComponent**(**lblPassword**)**

**.**addComponent**(**pwfPassword**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**PREFERRED\_SIZE**))**

**.**addGap**(**18**,** 18**,** 18**)**

**.**addComponent**(**btnLogin**)**

**.**addGap**(**18**,** 18**,** 18**)**

**.**addComponent**(**btnQuit**)**

**.**addContainerGap**(**70**,** Short**.**MAX\_VALUE**))**

**);**

setSize**(new** java**.**awt**.**Dimension**(**243**,** 225**));**

setLocationRelativeTo**(null);**

**}**// </editor-fold>

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

**if** **(**txtUsername**.**getText**().**equals**(**""**))** **{**

JOptionPane**.**showMessageDialog**(null,** "No username entered"**);**

**}else** **if(**pwfPassword**.**getPassword**().**length **==** 0**){**

JOptionPane**.**showMessageDialog**(null,** "No Password entered"**);**

**}else** **if(!**users**.**passwordValid**(**txtUsername**.**getText**(),** pwfPassword**)){**

JOptionPane**.**showMessageDialog**(null,** "Incorrect Password"**);**

**}else{**

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

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

**}**

**}**

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

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

**}**

/\*\*

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

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

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

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

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

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

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

**}**

//</editor-fold>

//</editor-fold>

/\* Create and display the form \*/

java**.**awt**.**EventQueue**.**invokeLater**(new** Runnable**()** **{**

@Override

public void run**()** **{**

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

**}**

**});**

**}**

// Variables declaration - do not modify

private javax**.**swing**.**JButton btnLogin**;**

private javax**.**swing**.**JButton btnQuit**;**

private javax**.**swing**.**JLabel lblPassword**;**

private javax**.**swing**.**JLabel lblUserName**;**

private javax**.**swing**.**JPasswordField pwfPassword**;**

private javax**.**swing**.**JTextField txtUsername**;**

// End of variables declaration

**}**

/\*

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\*/

package hobbza**;**

/\*\*

\*

\* **@author** gaurd

\*/

public class FrmMenu **extends** javax**.**swing**.**JFrame **{**

/\*\*

\* Creates new form FrmMenu

\*/

public FrmMenu**()** **{**

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**()** **{**

lblMenu **=** **new** javax**.**swing**.**JLabel**();**

btnDatabase **=** **new** javax**.**swing**.**JButton**();**

btnHelp **=** **new** javax**.**swing**.**JButton**();**

btnLogout **=** **new** javax**.**swing**.**JButton**();**

setDefaultCloseOperation**(**javax**.**swing**.**WindowConstants**.**EXIT\_ON\_CLOSE**);**

lblMenu**.**setHorizontalAlignment**(**javax**.**swing**.**SwingConstants**.**CENTER**);**

lblMenu**.**setText**(**"MENU"**);**

btnDatabase**.**setText**(**"Database"**);**

btnDatabase**.**addActionListener**(new** java**.**awt**.**event**.**ActionListener**()** **{**

public void actionPerformed**(**java**.**awt**.**event**.**ActionEvent evt**)** **{**

btnDatabaseActionPerformed**(**evt**);**

**}**

**});**

btnHelp**.**setText**(**"Help"**);**

btnLogout**.**setText**(**"Logout"**);**

btnLogout**.**addActionListener**(new** java**.**awt**.**event**.**ActionListener**()** **{**

public void actionPerformed**(**java**.**awt**.**event**.**ActionEvent evt**)** **{**

btnLogoutActionPerformed**(**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**()**

**.**addContainerGap**()**

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

**.**addComponent**(**btnDatabase**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** 411**,** Short**.**MAX\_VALUE**)**

**.**addComponent**(**lblMenu**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** Short**.**MAX\_VALUE**)**

**.**addComponent**(**btnLogout**,** javax**.**swing**.**GroupLayout**.**Alignment**.**TRAILING**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** Short**.**MAX\_VALUE**)**

**.**addComponent**(**btnHelp**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** javax**.**swing**.**GroupLayout**.**DEFAULT\_SIZE**,** Short**.**MAX\_VALUE**))**

**.**addContainerGap**())**

**);**

layout**.**setVerticalGroup**(**

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

**.**addGroup**(**layout**.**createSequentialGroup**()**

**.**addContainerGap**()**

**.**addComponent**(**lblMenu**)**

**.**addGap**(**18**,** 18**,** 18**)**

**.**addComponent**(**btnDatabase**)**

**.**addGap**(**18**,** 18**,** 18**)**

**.**addComponent**(**btnHelp**)**

**.**addGap**(**18**,** 18**,** 18**)**

**.**addComponent**(**btnLogout**)**

**.**addContainerGap**(**107**,** Short**.**MAX\_VALUE**))**

**);**

setSize**(new** java**.**awt**.**Dimension**(**437**,** 256**));**

setLocationRelativeTo**(null);**

**}**// </editor-fold>

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

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

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

**}**

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

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

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

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

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

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

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

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

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

**}**

**});**

**}**

// Variables declaration - do not modify

private javax**.**swing**.**JButton btnDatabase**;**

private javax**.**swing**.**JButton btnHelp**;**

private javax**.**swing**.**JButton btnLogout**;**

private javax**.**swing**.**JLabel lblMenu**;**

// End of variables declaration

**}**