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**EXPERIMENT NO. 05**

**CO/LO:**

**CO1**- Modify the behaviour of methods, classes, and interfaces at runtime.

**AIM / OBJECTIVE:**

For a given problem statement build an application with Java Beans and connect with JDBC.

**PROBLEM STATEMENTS:**

**1.** Write a Java program to create multiple frames containing personal information, educational information and extra-curricular achievements.

Provide an option to go back and forth from one frame to another frame.

Submit button on last frame should pop up a dialogue box showing successful message. And perform the connectivity with MySQL database using JAR connector files.

Create 3 tables in MySQL database, for each field in Resume form created on Java Netbeans. And insert values into all the tables when Submit button is clicked on Java GUI form. Fetch the values from database and display when clicked in display button.

**CODE:**

**SQL:**

create database amit; use amit;

create table PersonalDetails (

name varchar(20),

email varchar(20), mob Varchar(15),

gender varchar(10),

);

create table EducationalDetails (

SSC varchar(20),

HSC varchar(20),

CET Varchar(15),

SEM1 varchar(10),

SEM2 varchar(30) );

create table ExtracurricalarDetails (

details varchar(20)

);

**Main File:**

package jdbc;

JDBC {

public static void main(String[] args) { PersonalInfo pi = new PersonalInfo(); pi.setVisible(true);

}

}

**FORM 1**

package jdbc; import java.sql.Connection;

import java.sql.DriverManager;

jTextField1 = new javax.swing.JTextField(); jTextField2 = new javax.swing.JTextField(); jTextField3 = new javax.swing.JTextField(); jTextField4 = new javax.swing.JTextField(); jTextField5 = new javax.swing.JTextField();

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

jLabel1.setText("Personal Details");

jButton1.setText("Next"); jButton1.addActionListener(new java.awt.event.ActionListener() { public void actionPerformed(java.awt.event.ActionEvent evt) { jButton1ActionPerformed(evt);

}

});

jLabel2.setText("Name: ");

jLabel3.setText("Email:");

jLabel4.setText("Mob.: ");

jLabel5.setText("Add.:");

jLabel6.setText("Dob.:");

jTextField1.addActionListener(new java.awt.event.ActionListener() { public void actionPerformed(java.awt.event.ActionEvent evt) { jTextField1ActionPerformed(evt); }

});

jTextField2.addActionListener(new java.awt.event.ActionListener() { public void actionPerformed(java.awt.event.ActionEvent evt) { jTextField2ActionPerformed(evt);

}

});

jTextField3.addActionListener(new java.awt.event.ActionListener() { public void actionPerformed(java.awt.event.ActionEvent evt) {

jTextField4.addActionListener(new java.awt.event.ActionListener() { public void actionPerformed(java.awt.event.ActionEvent evt) { jTextField4ActionPerformed(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()

.addGap(38, 38, 38)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alig nment.LEADING)

.addComponent(jLabel6)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.

Alignment.TRAILING, false)

.addComponent(jTextField4, javax.swing.GroupLayout.PREFERRED\_SIZE, 254, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(javax.swing.GroupLayout.Alignment.LEADING, layout.createSequentialGroup()

.addComponent(jLabel4)

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

.addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED\_SIZE, 254, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(javax.swing.GroupLayout.Alignment.LEADING, layout.createSequentialGroup()

.addComponent(jLabel3)

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

.addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED\_SIZE, 254, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(javax.swing.GroupLayout.Alignment.LEADING, layout.createSequentialGroup()

javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addComponent(jLabel5)

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

.addGroup(layout.createParallelGroup(javax.swing.Grou pLayout.Alignment.LEADING, false)

.addGroup(layout.createSequentialGroup()

.addGap(104, 104, 104)

.addComponent(jLabel1)) .addComponent(jTextField5, javax.swing.GroupLayout.DEFAULT\_SIZE, 254, Short.MAX\_VALUE)))))

.addContainerGap(56, Short.MAX\_VALUE))

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

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

.addComponent(jButton1)

.addGap(158, 158, 158))

); layout.setVerticalGroup( layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel1)

.addGap(30, 30, 30)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alig nment.BASELINE)

.addComponent(jLabel2) .addComponent(jTextField1, 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.Alig nment.BASELINE)

.addComponent(jLabel3) .addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED\_SIZE,

javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(jLabel4) .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(21, 21, 21)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alig nment.BASELINE)

.addComponent(jLabel6) .addComponent(jTextField4, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alig nment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(18, 18, 18)

.addComponent(jLabel5))

.addGroup(layout.createSequentialGroup()

.addGap(15, 15, 15) .addComponent(jTextField5, javax.swing.GroupLayout.PREFERRED\_SIZE, 54, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNREL ATED)

.addComponent(jButton1)

.addContainerGap(13, Short.MAX\_VALUE))

);

pack();

}*// </editor-fold>//GEN-END:initComponents*

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

*FIRST:event\_jButton1ActionPerformed*

*// TODO add your handling code here:*

name = jTextField1.getText(); email = jTextField2.getText(); mob = jTextField3.getText(); dob = jTextField4.getText(); add = jTextField5.getText();

try (Connection con =

DriverManager.getConnection("jdbc:mysql://localhost:3306/amit?user=root&password= pass1234&characterEncoding=UTF-8"))

{ stmt=con.createStatement();

stmt.executeUpdate("insert into PersonalDetails values('"+name+"','"+email+"', '"+mob+"', '"+dob+"', '"+add+"')");

ResultSet rs=stmt.executeQuery("select \* from PersonalDetails");

System.out.println(rs.getString(1));

} catch (SQLException ex) {

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

}

EducationallInfo ed = new EducationalInfo();

ed.setVisible(true);

}*//GEN-LAST:event\_jButton1ActionPerformed*

private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {*//GEN-FIRST:event\_jTextField1ActionPerformed*

*// TODO add your handling code here:*

}*//GEN-LAST:event\_jTextField1ActionPerformed*

private void jTextField2ActionPerformed(java.awt.event.ActionEvent evt) {*//GEN-FIRST:event\_jTextField2ActionPerformed*

*// TODO add your handling code here:*

}*//GEN-LAST:event\_jTextField2ActionPerformed*

private void jTextField3ActionPerformed(java.awt.event.ActionEvent evt) {*//GEN-FIRST:event\_jTextField3ActionPerformed*

*// TODO add your handling code here:*

}*//GEN-LAST:event\_jTextField3ActionPerformed*

private void jTextField4ActionPerformed(java.awt.event.ActionEvent evt) {*//GEN-FIRST:event\_jTextField4ActionPerformed*

*// TODO add your handling code here:*

}*//GEN-LAST:event\_jTextField4ActionPerformed*

*/\*\**

*\* @param args the command line arguments*

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

|  |
| --- |
| *(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(PersonalInfo.class.getName()).log( java.util.logging.Level.SEVERE, null, ex); } catch (InstantiationException ex) { java.util.logging.Logger.getLogger(PersonalInfo.class.getName()).log( java.util.logging.Level.SEVERE, null, ex); } catch (IllegalAccessException ex) { java.util.logging.Logger.getLogger(PersonalInfo.class.getName()).log( java.util.logging.Level.SEVERE, null, ex);  } catch (javax.swing.UnsupportedLookAndFeelException ex) { java.util.logging.Logger.getLogger(PersonalInfo.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 PersonalInfo().setVisible(true);  }  });  }    *// Variables declaration - do not modify//GEN-BEGIN:variables* |

private javax.swing.JButton jButton1; private javax.swing.JLabel jLabel1; private javax.swing.JLabel jLabel2

private javax.swing.JLabel jLabel3; private javax.swing.JLabel jLabel4;

|  |
| --- |
| private javax.swing.JLabel jLabel5; private javax.swing.JLabel jLabel6; private javax.swing.JTextField jTextField1; private javax.swing.JTextField jTextField2; private javax.swing.JTextField jTextField3; private javax.swing.JTextField jTextField4; private javax.swing.JTextField jTextField5;  *// End of variables declaration//GEN-END:variables*  } |

**FORM 2**

|  |
| --- |
| */\**   * *To change this license header, choose License Headers in Project Properties.*  *\* To change this template file, choose Tools | Templates* * *and open the template in the editor.*   *\*/*  package jdbc;  import java.sql.Connection; import java.sql.DriverManager; import java.sql.ResultSet; import java.sql.SQLException; import java.sql.Statement; import java.util.*\**; import java.util.logging.Level; import java.util.logging.Logger;    */\*\**  *\**   * *@author DJSCE.Student*   *\*/*  public class EducationalInfo extends javax.swing.JFrame {  */\*\**   * *Creates new form PersonalInfo*   *\*/* |

String ssc, hsc, cet, sem1, sem2;

Statement stmt;

public EducationalInfo() {

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">//GENBEGIN:initComponents* private void initComponents() {

jLabel1 = new javax.swing.JLabel(); jButton1 = new javax.swing.JButton(); jButton2 = new javax.swing.JButton(); jLabel2 = new javax.swing.JLabel(); jLabel3 = new javax.swing.JLabel(); jLabel4 = new javax.swing.JLabel(); jLabel5 = new javax.swing.JLabel(); jLabel6 = new javax.swing.JLabel(); jTextField1 = new javax.swing.JTextField(); jTextField2 = new javax.swing.JTextField(); jTextField3 = new javax.swing.JTextField(); jTextField4 = new javax.swing.JTextField(); jTextField5 = new javax.swing.JTextField();

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

jLabel1.setText("Educational Details");

jButton1.setText("next"); jButton2.setText("prev");

jButton1.addActionListener(new java.awt.event.ActionListener() { public void actionPerformed(java.awt.event.ActionEvent evt) { jButton1ActionPerformed(evt);

} }); jLabel2.setText("10th Percentage: "); jLabel3.setText("12th Percentage:");

jLabel4.setText("CET Percentile: ");

jLabel5.setText("SEM1 CGPA:");

jLabel6.setText("SEM2 CGPA:");

jTextField1.addActionListener(new java.awt.event.ActionListener() { public void actionPerformed(java.awt.event.ActionEvent evt) { jTextField1ActionPerformed(evt);

}

});

jTextField2.addActionListener(new java.awt.event.ActionListener() { public void actionPerformed(java.awt.event.ActionEvent evt) { jTextField2ActionPerformed(evt); }

});

jTextField3.addActionListener(new java.awt.event.ActionListener() { public void actionPerformed(java.awt.event.ActionEvent evt) { jTextField3ActionPerformed(evt);

}

});

jTextField4.addActionListener(new java.awt.event.ActionListener() { public void actionPerformed(java.awt.event.ActionEvent evt) { jTextField4ActionPerformed(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()

.addGap(38, 38, 38)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alig

nment.LEADING)

.addComponent(jLabel6)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.

Alignment.TRAILING, false)

.addComponent(jTextField4, javax.swing.GroupLayout.PREFERRED\_SIZE, 254, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(javax.swing.GroupLayout.Alignment.LEADING, layout.createSequentialGroup()

.addComponent(jLabel4)

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

.addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED\_SIZE, 254, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(javax.swing.GroupLayout.Alignment.LEADING, layout.createSequentialGroup()

.addComponent(jLabel3)

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

.addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED\_SIZE, 254, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(javax.swing.GroupLayout.Alignment.LEADING, layout.createSequentialGroup()

.addComponent(jLabel2)

.addGap(18, 18, 18) .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED\_SIZE, 254, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addComponent(jLabel5)

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

.addGroup(layout.createParallelGroup(javax.swing.Grou pLayout.Alignment.LEADING, false)

.addGroup(layout.createSequentialGroup()

.addGap(104, 104, 104)

.addComponent(jLabel1)) .addComponent(jTextField5, javax.swing.GroupLayout.DEFAULT\_SIZE, 254, Short.MAX\_VALUE)))))

.addContainerGap(56, Short.MAX\_VALUE))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE,

Short.MAX\_VALUE)

.addComponent(jButton1)

.addGap(158, 158, 158))

); layout.setVerticalGroup( layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel1)

.addGap(30, 30, 30)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alig nment.BASELINE)

.addComponent(jLabel2) .addComponent(jTextField1, 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.Alig nment.BASELINE)

.addComponent(jLabel3) .addComponent(jTextField3, 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.Alig nment.BASELINE)

.addComponent(jLabel4) .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(21, 21, 21)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alig nment.BASELINE)

.addComponent(jLabel6) .addComponent(jTextField4, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alig nment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(18, 18, 18)

.addComponent(jLabel5))

.addGroup(layout.createSequentialGroup()

.addGap(15, 15, 15) .addComponent(jTextField5, javax.swing.GroupLayout.PREFERRED\_SIZE, 54, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNREL ATED)

.addComponent(jButton1)

.addContainerGap(13, Short.MAX\_VALUE))

);

pack();

}*// </editor-fold>//GEN-END:initComponents*

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

*FIRST:event\_jButton1ActionPerformed*

*// TODO add your handling code here:*

ssc = jTextField1.getText(); hsc = jTextField2.getText(); cet = jTextField3.getText(); sem1 = jTextField4.getText(); sem2 = jTextField5.getText();

try (Connection con =

DriverManager.getConnection("jdbc:mysql://localhost:3306/amit?user=root&password= pass1234&characterEncoding=UTF-8"))

{ stmt=con.createStatement();

stmt.executeUpdate("insert into EducationalDetails values('"+ssc+"','"+hsc+"', '"+cet+"', '"+sem1+"', '"+sem2+"')");

ResultSet rs=stmt.executeQuery("select \* from EducationalDetails");

System.out.println(rs.getString(1));

} catch (SQLException ex) {

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

}*//GEN-LAST:event\_jButton1ActionPerformed*

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {*//GEN- FIRST:event\_jButton1ActionPerformed*

*// TODO add your handling code here:*

|  |
| --- |
| PersonalInfo pd = new PersonalInfo();  pd.setVisible(true);    }*//GEN-LAST:event\_jButton1ActionPerformed*  private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {*//GEN-FIRST:event\_jTextField1ActionPerformed*  *// TODO add your handling code here:*  }*//GEN-LAST:event\_jTextField1ActionPerformed*  private void jTextField2ActionPerformed(java.awt.event.ActionEvent evt) {*//GEN-FIRST:event\_jTextField2ActionPerformed*  *// TODO add your handling code here:*  }*//GEN-LAST:event\_jTextField2ActionPerformed*  private void jTextField3ActionPerformed(java.awt.event.ActionEvent evt) {*//GEN-FIRST:event\_jTextField3ActionPerformed*  *// TODO add your handling code here:*  }*//GEN-LAST:event\_jTextField3ActionPerformed*  private void jTextField4ActionPerformed(java.awt.event.ActionEvent evt) {*//GEN-FIRST:event\_jTextField4ActionPerformed*  *// TODO add your handling code here:*  }*//GEN-LAST:event\_jTextField4ActionPerformed*    */\*\**  *\* @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(PersonalInfo.class.getName()).log( java.util.logging.Level.SEVERE, null, ex); } catch (InstantiationException ex) { java.util.logging.Logger.getLogger(PersonalInfo.class.getName()).log( java.util.logging.Level.SEVERE, null, ex); } catch (IllegalAccessException ex) { java.util.logging.Logger.getLogger(PersonalInfo.class.getName()).log( java.util.logging.Level.SEVERE, null, ex);  } catch (javax.swing.UnsupportedLookAndFeelException ex) { java.util.logging.Logger.getLogger(PersonalInfo.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 PersonalInfo().setVisible(true);  }  });  }    *// Variables declaration - do not modify//GEN-BEGIN:variables* private javax.swing.JButton jButton1; private javax.swing.JLabel jLabel1; private javax.swing.JLabel jLabel2; private javax.swing.JLabel jLabel3; private javax.swing.JLabel jLabel4; private javax.swing.JLabel jLabel5; private javax.swing.JLabel jLabel6; private javax.swing.JTextField jTextField1; private javax.swing.JTextField jTextField2; private javax.swing.JTextField jTextField3; private javax.swing.JTextField jTextField4; private javax.swing.JTextField jTextField5;  *// End of variables declaration//GEN-END:variables*  } |

**FORM 3**

package jdbc;

import java.sql.Connection; import java.sql.DriverManager; import java.sql.ResultSet; import java.sql.SQLException; import java.sql.Statement; import java.util.*\**; import java.util.logging.Level; import java.util.logging.Logger;

*/\*\**

*\**

* *@author DJSCE.Student*

*\*/* public class Extracurricular extends javax.swing.JFrame {

*/\*\**

* *Creates new form PersonalInfo*

*\*/*

String details;

Statement stmt;

public ExtracurricularInfo() { 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">//GENBEGIN:initComponents* private void initComponents() {

jLabel1 = new javax.swing.JLabel(); jButton1 = new javax.swing.JButton(); jButton2 = new javax.swing.JButton(); jLabel2 = new javax.swing.JLabel();

jTextField1 = new javax.swing.JTextField();

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

jLabel1.setText("Extracurricular Details");

jButton1.setText("Submit"); jButton2.setText("Previous");

jButton1.addActionListener(new java.awt.event.ActionListener() { public void actionPerformed(java.awt.event.ActionEvent evt) { jButton1ActionPerformed(evt);

}

});

jLabel2.setText("Enter Details Below ");

jTextField1.addActionListener(new java.awt.event.ActionListener() { public void actionPerformed(java.awt.event.ActionEvent evt) { jTextField1ActionPerformed(evt);

}

});

jTextField2.addActionListener(new java.awt.event.ActionListener() { public void actionPerformed(java.awt.event.ActionEvent evt) { jTextField2ActionPerformed(evt); }

});

jTextField3.addActionListener(new java.awt.event.ActionListener() { public void actionPerformed(java.awt.event.ActionEvent evt) { jTextField3ActionPerformed(evt);

}

});

jTextField4.addActionListener(new java.awt.event.ActionListener() { public void actionPerformed(java.awt.event.ActionEvent evt) { jTextField4ActionPerformed(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()

.addGap(38, 38, 38)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alig nment.LEADING)

.addComponent(jLabel6)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.

Alignment.TRAILING, false)

.addComponent(jTextField4, javax.swing.GroupLayout.PREFERRED\_SIZE, 254, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(javax.swing.GroupLayout.Alignment.LEADING, layout.createSequentialGroup()

.addComponent(jLabel4)

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

.addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED\_SIZE, 254, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(javax.swing.GroupLayout.Alignment.LEADING, layout.createSequentialGroup()

.addComponent(jLabel3)

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

.addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED\_SIZE, 254, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(javax.swing.GroupLayout.Alignment.LEADING, layout.createSequentialGroup()

.addComponent(jLabel2)

.addGap(18, 18, 18) .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED\_SIZE, 254, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addComponent(jLabel5)

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

.addGroup(layout.createParallelGroup(javax.swing.Grou pLayout.Alignment.LEADING, false)

.addGroup(layout.createSequentialGroup()

.addGap(104, 104, 104)

.addComponent(jLabel1)) .addComponent(jTextField5, javax.swing.GroupLayout.DEFAULT\_SIZE, 254, Short.MAX\_VALUE)))))

.addContainerGap(56, Short.MAX\_VALUE))

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

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE,

Short.MAX\_VALUE)

.addComponent(jButton1)

.addGap(158, 158, 158))

); layout.setVerticalGroup( layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel1)

.addGap(30, 30, 30)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alig nment.BASELINE)

.addComponent(jLabel2) .addComponent(jTextField1, 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.Alig nment.BASELINE)

.addComponent(jLabel3) .addComponent(jTextField3,

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.Alig nment.BASELINE)

.addComponent(jLabel4) .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(21, 21, 21)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alig nment.BASELINE)

.addComponent(jLabel6) .addComponent(jTextField4, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alig nment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(18, 18, 18)

.addComponent(jLabel5))

.addGroup(layout.createSequentialGroup()

.addGap(15, 15, 15) .addComponent(jTextField5, javax.swing.GroupLayout.PREFERRED\_SIZE, 54, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNREL ATED)

.addComponent(jButton1)

.addContainerGap(13, Short.MAX\_VALUE))

);

pack();

}*// </editor-fold>//GEN-END:initComponents*

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

*FIRST:event\_jButton1ActionPerformed*

*// TODO add your handling code here:*

details = jTextField1.getText();

try (Connection con =

DriverManager.getConnection("jdbc:mysql://localhost:3306/amit?user=root&password= pass1234&characterEncoding=UTF-8"))

{ stmt=con.createStatement();

stmt.executeUpdate("insert into ExtracurricularDetails values('"+details+")");

ResultSet rs=stmt.executeQuery("select \* from

ExtracurricularDetails");

System.out.println(rs.getString(1));

} catch (SQLException ex) {

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

}

}*//GEN-LAST:event\_jButton1ActionPerformed*

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

*FIRST:event\_jButton1ActionPerformed*

*// TODO add your handling code here:*

EducationalInfo ed = new EducationalInfo();

ed.setVisible(true);

}*//GEN-LAST:event\_jButton1ActionPerformed*

private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {*//GEN-FIRST:event\_jTextField1ActionPerformed*

*// TODO add your handling code here:*

}*//GEN-LAST:event\_jTextField1ActionPerformed*

private void jTextField2ActionPerformed(java.awt.event.ActionEvent evt) {*//GEN-FIRST:event\_jTextField2ActionPerformed*

*// TODO add your handling code here:*

}*//GEN-LAST:event\_jTextField2ActionPerformed*

private void jTextField3ActionPerformed(java.awt.event.ActionEvent evt) {*//GEN-FIRST:event\_jTextField3ActionPerformed*

*// TODO add your handling code here:*

}*//GEN-LAST:event\_jTextField3ActionPerformed*

private void jTextField4ActionPerformed(java.awt.event.ActionEvent evt) {*//GEN-FIRST:event\_jTextField4ActionPerformed*

*// TODO add your handling code here:*

}*//GEN-LAST:event\_jTextField4ActionPerformed*

*/\*\**

*\* @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.*

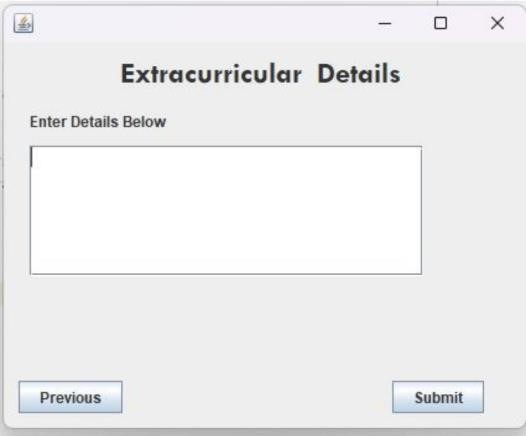
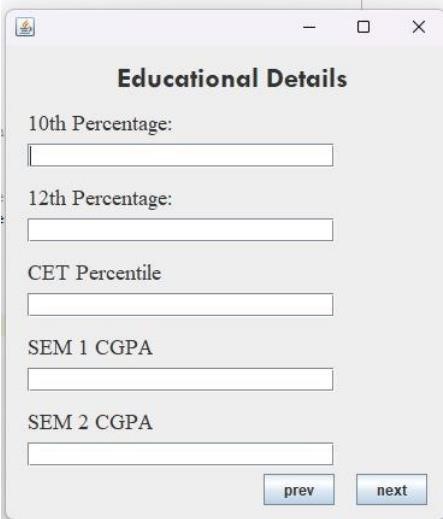
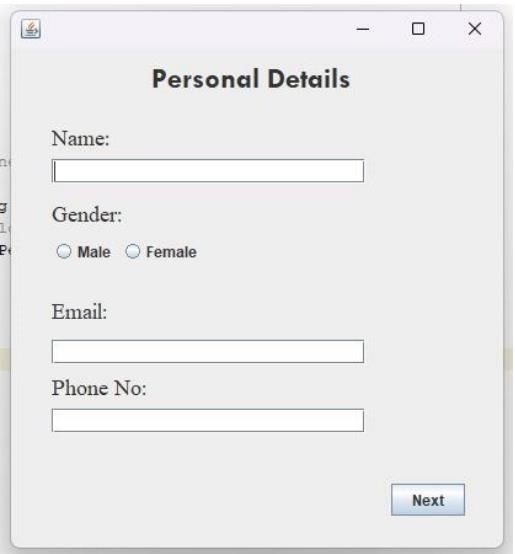
|  |
| --- |
| *\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html*  *\*/* try { for (javax.swing.UIManager.LookAndFeelInfo info :  javax.swing.UIManager.getInstalledLookAndFeels()) { if ("Nimbus".equals(info.getName())) { javax.swing.UIManager.setLookAndFeel(info.getClassName()); break;  }  }  } catch (ClassNotFoundException ex) { java.util.logging.Logger.getLogger(PersonalInfo.class.getName()).log( java.util.logging.Level.SEVERE, null, ex); } catch (InstantiationException ex) { java.util.logging.Logger.getLogger(PersonalInfo.class.getName()).log( java.util.logging.Level.SEVERE, null, ex); } catch (IllegalAccessException ex) { java.util.logging.Logger.getLogger(PersonalInfo.class.getName()).log( java.util.logging.Level.SEVERE, null, ex);  } catch (javax.swing.UnsupportedLookAndFeelException ex) { java.util.logging.Logger.getLogger(PersonalInfo.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 PersonalInfo().setVisible(true);  }  });  }    *// Variables declaration - do not modify//GEN-BEGIN:variables* private javax.swing.JButton jButton1; private javax.swing.JLabel jLabel1; private javax.swing.JLabel jLabel2; private javax.swing.JLabel jLabel3; private javax.swing.JLabel jLabel4; private javax.swing.JLabel jLabel5; private javax.swing.JLabel jLabel6; private javax.swing.JTextField jTextField1; |

private javax.swing.JTextField jTextField2; private javax.swing.JTextField jTextField3; private javax.swing.JTextField jTextField4; private javax.swing.JTextField jTextField5;

*// End of variables declaration//GEN-END:variables*

}

**OUTPUT**



**CONCLUSION:**

Java Data Base Connectivity (JDBC) has been implemented successfully.