



**SHRI VILEPARLE KELAVANI MANDAL'S  
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING**  
(Autonomous College Affiliated to the University of Mumbai)  
NAAC ACCREDITED with "A" GRADE (CGPA : 3.18)



**DEPARTMENT OF INFORMATION TECHNOLOGY**

**COURSE CODE:** DJS22ITL306

**DATE:** 29/9/2023

**COURSE NAME:** Programing Laboratory 1 (Advanced Java)

**CLASS:** I1-Batch1

NAME: Ayush Vinod Upadhyay  
ROLL NO: I025  
SAP ID: 60003220131  
BRANCH: Information Technology  
BATCH: 1

**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),
```



**SHRI VILEPARLE KELAVANI MANDAL'S  
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING**  
(Autonomous College Affiliated to the University of Mumbai)  
NAAC ACCREDITED with "A" GRADE (CGPA : 3.18)



**DEPARTMENT OF INFORMATION TECHNOLOGY**

**COURSE CODE:** DJS22ITL306

**DATE:**29/9/2023

**COURSE NAME:** Programing Laboratory 1 (Advanced Java)

**CLASS:** I1-Batch1

```
CET Varchar(15),  
SEM1 varchar(10),  
SEM2  
varchar(30) );
```

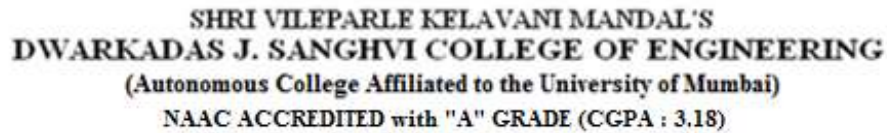
```
create table ExtracurricularDetails (  
details varchar(20)  
);
```

**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);          }  
});
```



**DATE:29/9/2023**

**CLASS: I1-Batch1**

```

        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()
        .addGroup(layout.createParallelGroup()
            .addGap(38, 38, 38)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.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(layout.createParallelGroup.LEADING,
layout.createSequentialGroup()
                    .addComponent(jLabel14)

.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(layout.createParallelGroup.LEADING,
layout.createSequentialGroup()
                    .addComponent(jLabel13)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPla cement.RELATED,
javax.swing.GroupLayout.DEFAULT SIZE, Short.MAX VALUE)

```



**SHRI VILEPARLE KELAVANI MANDAL'S  
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING**  
(Autonomous College Affiliated to the University of Mumbai)  
NAAC ACCREDITED with "A" GRADE (CGPA : 3.18)



**DEPARTMENT OF INFORMATION TECHNOLOGY**

**COURSE CODE:** DJS22ITL306

**DATE:**29/9/2023

**COURSE NAME:** Programing Laboratory 1 (Advanced Java)

**CLASS:** I1-Batch1

```
.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.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
            .addGroup(layout.createSequentialGroup()
                .addGap(104, 104, 104)
                .addComponent(jLabel11))
            .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(jLabel11)
                .addGap(30, 30, 30)

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



DEPARTMENT OF INFORMATION TECHNOLOGY

**COURSE CODE:** DJS22ITL306

**DATE:**29/9/2023

**COURSE NAME:** Programing Laboratory 1 (Advanced Java)

**CLASS:** I1-Batch1

```
.addComponent(jLabel13)
.addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addComponent(jLabel14) .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.Align
ment.BASELINE)
.addComponent(jLabel16)
.addComponent(jTextField4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
.addGroup(layout.createSequentialGroup()
.addGap(18, 18, 18)
.addComponent(jLabel15))
.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&passwo
rd= pass1234&characterEncoding=UTF-8"))
```



**SHRI VILEPARLE KELAVANI MANDAL'S  
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING**  
(Autonomous College Affiliated to the University of Mumbai)  
NAAC ACCREDITED with "A" GRADE (CGPA : 3.18)



**DEPARTMENT OF INFORMATION TECHNOLOGY**

**COURSE CODE:** DJS22ITL306

**DATE:**29/9/2023

**COURSE NAME:** Programing Laboratory 1 (Advanced Java)

**CLASS:** I1-Batch1

```
{
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);
    }
}
```

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[]) {
```





DEPARTMENT OF INFORMATION TECHNOLOGY

COURSE CODE: DJS22ITL306

DATE:29/9/2023

COURSE NAME: Programing Laboratory 1 (Advanced Java)

CLASS: I1-Batch1

(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;
```



**SHRI VILEPARLE KELAVANI MANDAL'S  
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING**  
(Autonomous College Affiliated to the University of Mumbai)  
NAAC ACCREDITED with "A" GRADE (CGPA : 3.18)



**DEPARTMENT OF INFORMATION TECHNOLOGY**

**COURSE CODE:** DJS22ITL306

**DATE:**29/9/2023

**COURSE NAME:** Programing Laboratory 1 (Advanced Java)

**CLASS:** I1-Batch1

```
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  
}
```





DEPARTMENT OF INFORMATION TECHNOLOGY

COURSE CODE: DJS22ITL306

DATE:29/9/2023

COURSE NAME: Programing Laboratory 1 (Advanced Java)

CLASS: I1-Batch1

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"> //GEN-BEGIN: initComponents private void initComponents() {
        jLabel1 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
```



DEPARTMENT OF INFORMATION TECHNOLOGY

**COURSE CODE:** DJS22ITL306

**DATE:**29/9/2023

**COURSE NAME:** Programing Laboratory 1 (Advanced Java)

**CLASS:** I1-Batch1

```
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");

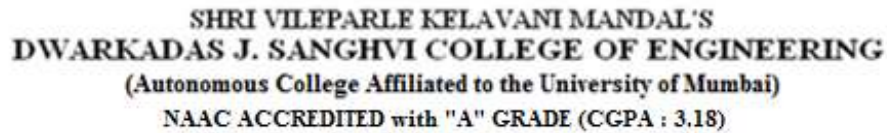
jButton1.setText("next");
jButton2.setText("prev");
jButton1.addActionListener(new
java.awt.event.ActionListener() {           public void
actionPerformed(java.awt.event.ActionEvent evt) {
jButton1ActionPerformed(evt);
}       });

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
```



**DATE:29/9/2023**

**CLASS: I1-Batch1**

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

```
ment.LEADING)
```

```

        .addComponent(jLabel16)
        .addGroup(layout.createParallelGroup(GroupLayout.Alignment.TRAILING, false)
            .addComponent(jTextField4,
                GroupLayout.PREFERRED_SIZE, 254,
                GroupLayout.PREFERRED_SIZE)
            .addGroup(GroupLayout.Alignment.LEADING,
                layout.createSequentialGroup()
                    .addComponent(jLabel14)
                    .addPreferredGap(LayoutStyle.ComponentPlacement.RELATED,
                        GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jTextField2,
                        GroupLayout.PREFERRED_SIZE, 254,
                        GroupLayout.PREFERRED_SIZE))
            .addGroup(GroupLayout.Alignment.LEADING,
                layout.createSequentialGroup()
                    .addComponent(jLabel13)

```



DEPARTMENT OF INFORMATION TECHNOLOGY

**COURSE CODE:** DJS22ITL306

**DATE:**29/9/2023

**COURSE NAME:** Programing Laboratory 1 (Advanced Java)

**CLASS:** II-Batch1

```
.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(jLabel11))
        .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(jLabel11)
        .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))
```



DEPARTMENT OF INFORMATION TECHNOLOGY

**COURSE CODE:** DJS22ITL306

**DATE:**29/9/2023

**COURSE NAME:** Programing Laboratory 1 (Advanced Java)

**CLASS:** I1-Batch1

```
.addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.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.Alignment.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.Alignment.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.Alignment.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.UNRELATED)
    .addComponent(jButton1)
    .addContainerGap(13, Short.MAX_VALUE))
);

pack();
} // </editor-fold> // GEN-END: initComponents
```



DEPARTMENT OF INFORMATION TECHNOLOGY

**COURSE CODE:** DJS22ITL306

**DATE:**29/9/2023

**COURSE NAME:** Programing Laboratory 1 (Advanced Java)

**CLASS:** II-Batch1

```
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");
            Statement 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:
```





DEPARTMENT OF INFORMATION TECHNOLOGY

COURSE CODE: DJS22ITL306

DATE:29/9/2023

COURSE NAME: Programing Laboratory 1 (Advanced Java)

CLASS: II-Batch1

```
        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());
                }
            }
        } catch (ClassNotFoundException ex) {
            java.util.logging.Logger.getLogger(Main.class).log(Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(Main.class).log(Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {
            java.util.logging.Logger.getLogger(Main.class).log(Level.SEVERE, null, ex);
        }
    }
}
```





DEPARTMENT OF INFORMATION TECHNOLOGY

COURSE CODE: DJS22ITL306

DATE:29/9/2023

COURSE NAME: Programing Laboratory 1 (Advanced Java)

CLASS: II-Batch1

```
        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
}
```



DEPARTMENT OF INFORMATION TECHNOLOGY

COURSE CODE: DJS22ITL306

DATE:29/9/2023

COURSE NAME: Programing Laboratory 1 (Advanced Java)

CLASS: I1-Batch1

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"> //GEN-BEGIN: initComponents private void initComponents() {

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



**SHRI VILEPARLE KELAVANI MANDAL'S  
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING**  
(Autonomous College Affiliated to the University of Mumbai)  
NAAC ACCREDITED with "A" GRADE (CGPA : 3.18)



**DEPARTMENT OF INFORMATION TECHNOLOGY**

**COURSE CODE:** DJS22ITL306

**DATE:**29/9/2023

**COURSE NAME:** Programing Laboratory 1 (Advanced Java)

**CLASS:** II-Batch1

```
        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.Alignment.LEADING)
                    .addComponent(jLabel16)
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
                        .addGroup(layout.createSequentialGroup()
                            .addGap(38, 38, 38)
                            .addComponent(jTextField1, javax.swing.GroupLayout.DEFAULT_SIZE, 150, true)
                            .addGap(38, 38, 38)
                            .addComponent(jTextField2, javax.swing.GroupLayout.DEFAULT_SIZE, 150, true)
                            .addGap(38, 38, 38)
                            .addComponent(jTextField3, javax.swing.GroupLayout.DEFAULT_SIZE, 150, true)
                            .addGap(38, 38, 38)
                            .addComponent(jTextField4, javax.swing.GroupLayout.DEFAULT_SIZE, 150, true)
                        )
                        .addComponent(jButton1, javax.swing.GroupLayout.DEFAULT_SIZE, 100, true)
                    )
                )
            )
        );
    }
```



**SHRI VILEPARLE KELAVANI MANDAL'S  
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING**  
(Autonomous College Affiliated to the University of Mumbai)  
NAAC ACCREDITED with "A" GRADE (CGPA : 3.18)



**DEPARTMENT OF INFORMATION TECHNOLOGY**

**COURSE CODE:** DJS22ITL306

**DATE:**29/9/2023

**COURSE NAME:** Programing Laboratory 1 (Advanced Java)

**CLASS:** II-Batch1

```
.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.ComponentPlacement.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.ComponentPlacement.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.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addGroup(layout.createSequentialGroup())
            .addGap(104, 104, 104)
            .addComponent(jLabel11))
.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)
```



**SHRI VILEPARLE KELAVANI MANDAL'S  
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING**  
(Autonomous College Affiliated to the University of Mumbai)  
NAAC ACCREDITED with "A" GRADE (CGPA : 3.18)



**DEPARTMENT OF INFORMATION TECHNOLOGY**

**COURSE CODE:** DJS22ITL306

**DATE:**29/9/2023

**COURSE NAME:** Programing Laboratory 1 (Advanced Java)

**CLASS:** II-Batch1

```
.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.Align
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.Align
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.Align
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.Align
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.Align
nment.LEADING)
.addGroup(layout.createSequentialGroup()
.addGap(18, 18, 18)
.addComponent(jLabel5))
```



DEPARTMENT OF INFORMATION TECHNOLOGY

COURSE CODE: DJS22ITL306

DATE:29/9/2023

COURSE NAME: Programing Laboratory 1 (Advanced Java)

CLASS: II-Batch1

```
.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&passwo  
rd= 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);
```





DEPARTMENT OF INFORMATION TECHNOLOGY

COURSE CODE: DJS22ITL306

DATE:29/9/2023

COURSE NAME: Programing Laboratory 1 (Advanced Java)

CLASS: I1-Batch1

```
        } //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.
```





DEPARTMENT OF INFORMATION TECHNOLOGY

COURSE CODE: DJS22ITL306

DATE:29/9/2023

COURSE NAME: Programing Laboratory 1 (Advanced Java)

CLASS: I1-Batch1

```
* 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;
```



**SHRI VILEPARLE KELAVANI MANDAL'S  
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING**  
(Autonomous College Affiliated to the University of Mumbai)  
NAAC ACCREDITED with "A" GRADE (CGPA : 3.18)  
**DEPARTMENT OF INFORMATION TECHNOLOGY**



**COURSE CODE:** DJS22ITL306

**DATE:**29/9/2023

**COURSE NAME:** Programing Laboratory 1 (Advanced Java)

**CLASS:** I1-Batch1

```
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**

The output shows three sequential windows of a Java Swing application. The first window, titled 'Personal Details', contains input fields for Name, Gender (with radio buttons for Male and Female), Email, and Phone No, and a 'Next' button. The second window, titled 'Educational Details', contains input fields for 10th Percentage, 12th Percentage, CET Percentile, SEM 1 CGPA, and SEM 2 CGPA, with 'prev' and 'next' buttons. The third window, titled 'Extracurricular Details', has a large text area for details and 'Previous' and 'Submit' buttons. A fourth window, titled 'Message', displays the text 'Data saves succesfully' with an 'OK' button.

**CONCLUSION:**

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