

ASSIGNMENT-8 DB Application Programming
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CODE:

*****Homepage.java*****

```
package employeepayroll;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.util.logging.Level;
import java.util.logging.Logger;

/**
 *
 * @author Lakshmi Priya
 */
public class HomePage extends javax.swing.JFrame {

    /**
     * Creates new form HomePage
     */
    public HomePage() {
        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() {

        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        jButton3 = new javax.swing.JButton();
    }
}
```

```
jButton4 = new javax.swing.JButton();
jButton5 = new javax.swing.JButton();
jLabel1 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jButton1.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N
jButton1.setForeground(new java.awt.Color(0, 153, 51));
jButton1.setText("INSERT DETAIL");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jButton2.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N
jButton2.setForeground(new java.awt.Color(0, 153, 51));
jButton2.setText("UPDATE DETAIL");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

jButton3.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N
jButton3.setForeground(new java.awt.Color(0, 153, 51));
jButton3.setText("DELETE DETAIL");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});

jButton4.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N
jButton4.setForeground(new java.awt.Color(0, 153, 51));
jButton4.setText("SEARCH DETAIL");
jButton4.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton4ActionPerformed(evt);
    }
});

jButton5.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N
jButton5.setForeground(new java.awt.Color(0, 153, 51));
```

```

jButton5.setText("EXIT");
jButton5.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton5ActionPerformed(evt);
    }
});

jLabel1.setFont(new java.awt.Font("Serif", 1, 36)); // NOI18N
jLabel1.setForeground(new java.awt.Color(255, 0, 0));
jLabel1.setText("EMPLOYEE DETAILS");

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(214, 214, 214)
            .addComponent(jLabel1)
            .addGap(291, 291, 291)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                .addGroup(layout.createSequentialGroup()
                    .addGap(227, 227, 227)
                    .addComponent(jButton5)
                    .addGap(76, 76, 76)
                )
                .addComponent(jButton4, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            )
        )
);

```

```

        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
                    .addContainerGap(51, Short.MAX_VALUE)
                    .addComponent(jLabel1)
                    .addGap(41, 41, 41)
                    .addComponent(jButton1)
                    .addGap(38, 38, 38)
                    .addComponent(jButton2)
                    .addGap(50, 50, 50)
                    .addComponent(jButton3)
                    .addGap(45, 45, 45)
                    .addComponent(jButton4)
                    .addGap(55, 55, 55)
                    .addComponent(jButton5)
                    .addGap(97, 97, 97))
            );

        pack();
    }// </editor-fold>

```

```

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    new Insert().setVisible(true);
    this.dispose();
}

```

```

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    new Update().setVisible(true);
    this.dispose();
}

```

```

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    new Delete().setVisible(true);
    this.dispose();
}

```

```

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
    new Search().setVisible(true);
    this.dispose();
}

```

```

private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {

```

```

        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(HomePage.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

            java.util.logging.Logger.getLogger(HomePage.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {

            java.util.logging.Logger.getLogger(HomePage.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

            java.util.logging.Logger.getLogger(HomePage.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 HomePage().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JButton jButton4;
private javax.swing.JButton jButton5;
private javax.swing.JLabel jLabel1;
// End of variables declaration
}

```

*****Insert.java*****

```

package employeepayroll;

import java.sql.CallableStatement;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import javax.swing.JOptionPane;
import static javax.swing.JOptionPane.ERROR_MESSAGE;
import static javax.swing.JOptionPane.INFORMATION_MESSAGE;

/**
 *
 * @author Lakshmi Priya
 */
public class Insert extends javax.swing.JFrame {

    /**
     * Creates new form Insert
     */
    public Insert() {
        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() {

    jLabel1 = new javax.swing.JLabel();
    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();
    jButton1 = new javax.swing.JButton();
    jButton2 = new javax.swing.JButton();
    jButton3 = new javax.swing.JButton();
    jButton4 = new javax.swing.JButton();
    jButton5 = new javax.swing.JButton();
    jButton6 = new javax.swing.JButton();
    jButton7 = new javax.swing.JButton();
    jButton8 = new javax.swing.JButton();
    jButton9 = new javax.swing.JButton();
    jButton10 = new javax.swing.JButton();
    jButton11 = new javax.swing.JButton();
    jButton12 = new javax.swing.JButton();
    jButton13 = new javax.swing.JButton();
    jButton14 = new javax.swing.JButton();
    jButton15 = new javax.swing.JButton();
    jButton16 = new javax.swing.JButton();
    jButton17 = new javax.swing.JButton();
    jButton18 = new javax.swing.JButton();
    jButton19 = new javax.swing.JButton();
    jButton20 = new javax.swing.JButton();
    jButton21 = new javax.swing.JButton();
    jButton22 = new javax.swing.JButton();
    jButton23 = new javax.swing.JButton();
    jButton24 = new javax.swing.JButton();
    jButton25 = new javax.swing.JButton();
    jButton26 = new javax.swing.JButton();
    jButton27 = new javax.swing.JButton();
    jButton28 = new javax.swing.JButton();
    jButton29 = new javax.swing.JButton();
    jButton30 = new javax.swing.JButton();
    jButton31 = new javax.swing.JButton();
    jButton32 = new javax.swing.JButton();
    jButton33 = new javax.swing.JButton();
    jButton34 = new javax.swing.JButton();
    jButton35 = new javax.swing.JButton();
    jButton36 = new javax.swing.JButton();
    jButton37 = new javax.swing.JButton();
    jButton38 = new javax.swing.JButton();
    jButton39 = new javax.swing.JButton();
    jButton40 = new javax.swing.JButton();
    jButton41 = new javax.swing.JButton();
    jButton42 = new javax.swing.JButton();
    jButton43 = new javax.swing.JButton();
    jButton44 = new javax.swing.JButton();
    jButton45 = new javax.swing.JButton();
    jButton46 = new javax.swing.JButton();
    jButton47 = new javax.swing.JButton();
    jButton48 = new javax.swing.JButton();
    jButton49 = new javax.swing.JButton();
    jButton50 = new javax.swing.JButton();
    jButton51 = new javax.swing.JButton();
    jButton52 = new javax.swing.JButton();
    jButton53 = new javax.swing.JButton();
    jButton54 = new javax.swing.JButton();
    jButton55 = new javax.swing.JButton();
    jButton56 = new javax.swing.JButton();
    jButton57 = new javax.swing.JButton();
    jButton58 = new javax.swing.JButton();
    jButton59 = new javax.swing.JButton();
    jButton60 = new javax.swing.JButton();
    jButton61 = new javax.swing.JButton();
    jButton62 = new javax.swing.JButton();
    jButton63 = new javax.swing.JButton();
    jButton64 = new javax.swing.JButton();
    jButton65 = new javax.swing.JButton();
    jButton66 = new javax.swing.JButton();
    jButton67 = new javax.swing.JButton();
    jButton68 = new javax.swing.JButton();
    jButton69 = new javax.swing.JButton();
    jButton70 = new javax.swing.JButton();
    jButton71 = new javax.swing.JButton();
    jButton72 = new javax.swing.JButton();
    jButton73 = new javax.swing.JButton();
    jButton74 = new javax.swing.JButton();
    jButton75 = new javax.swing.JButton();
    jButton76 = new javax.swing.JButton();
    jButton77 = new javax.swing.JButton();
    jButton78 = new javax.swing.JButton();
    jButton79 = new javax.swing.JButton();
    jButton80 = new javax.swing.JButton();
    jButton81 = new javax.swing.JButton();
    jButton82 = new javax.swing.JButton();
    jButton83 = new javax.swing.JButton();
    jButton84 = new javax.swing.JButton();
    jButton85 = new javax.swing.JButton();
    jButton86 = new javax.swing.JButton();
    jButton87 = new javax.swing.JButton();
    jButton88 = new javax.swing.JButton();
    jButton89 = new javax.swing.JButton();
    jButton90 = new javax.swing.JButton();
    jButton91 = new javax.swing.JButton();
    jButton92 = new javax.swing.JButton();
    jButton93 = new javax.swing.JButton();
    jButton94 = new javax.swing.JButton();
    jButton95 = new javax.swing.JButton();
    jButton96 = new javax.swing.JButton();
    jButton97 = new javax.swing.JButton();
    jButton98 = new javax.swing.JButton();
    jButton99 = new javax.swing.JButton();
    jButton100 = new javax.swing.JButton();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jLabel1.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N
    jLabel1.setForeground(new java.awt.Color(0, 153, 153));
    jLabel1.setText("Employee Name");

    jLabel2.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N
    jLabel2.setForeground(new java.awt.Color(0, 153, 153));
    jLabel2.setText("Employee ID");

    jLabel3.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N
    jLabel3.setForeground(new java.awt.Color(0, 153, 153));
    jLabel3.setText("SEX");

    jLabel4.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N
    jLabel4.setForeground(new java.awt.Color(0, 153, 153));
    jLabel4.setText("DOB (dd-MON-yyyy)");

    jLabel5.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N
    jLabel5.setForeground(new java.awt.Color(0, 153, 153));
    jLabel5.setText("Basic Salary");

```

```
jLabel6.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N
jLabel6.setForeground(new java.awt.Color(0, 153, 153));
jLabel6.setText("Designation");

jTextField1.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
jTextField1.setForeground(new java.awt.Color(255, 102, 0));
jTextField1.setMinimumSize(new java.awt.Dimension(100, 100));

jTextField2.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
jTextField2.setForeground(new java.awt.Color(255, 102, 0));

jTextField3.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
jTextField3.setForeground(new java.awt.Color(255, 102, 0));

jTextField4.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
jTextField4.setForeground(new java.awt.Color(255, 102, 0));
jTextField4.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField4ActionPerformed(evt);
    }
});

jTextField5.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
jTextField5.setForeground(new java.awt.Color(255, 102, 0));

jRadioButton1.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
jRadioButton1.setForeground(new java.awt.Color(255, 102, 0));
jRadioButton1.setText("Male");

jRadioButton2.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
jRadioButton2.setForeground(new java.awt.Color(255, 102, 0));
jRadioButton2.setText("Female");
jRadioButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jRadioButton2ActionPerformed(evt);
    }
});

jRadioButton3.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
jRadioButton3.setForeground(new java.awt.Color(255, 102, 0));
jRadioButton3.setText("Other");

jButton1.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
```



```

jButton1.setForeground(new java.awt.Color(255, 0, 51));
jButton1.setText("INSERT DETAIL");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(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(94, 94, 94)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(layout.createSequentialGroup()
                    .addComponent(jLabel3)
                    .addGroup(layout.createSequentialGroup()
                        .addGap(325, 325, 325)
                        .addComponent(jRadioButton1)))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
29, Short.MAX_VALUE)
                .addComponent(jRadioButton2)
                .addGap(27, 27, 27)
                .addComponent(jRadioButton3)
                .addGap(221, 221, 221))
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                .addComponent(jLabel2)
                .addGroup(layout.createSequentialGroup()
                    .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
133, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGroup(layout.createSequentialGroup()
                        .addGap(94, 94, 94)
                        .addComponent(jLabel1)

```

```

        .addComponent(jLabel4))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(jTextField2, javax.swing.GroupLayout.DEFAULT_SIZE,
133, Short.MAX_VALUE)
        .addComponent(jTextField3)))
        .addGap(388, 388, 388))
.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel6)
        .addComponent(jLabel5))
        .addGap(194, 194, 194)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(jTextField4, javax.swing.GroupLayout.DEFAULT_SIZE, 135,
Short.MAX_VALUE)
        .addComponent(jTextField5))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jButton1)
        .addGap(109, 109, 109))
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(88, 88, 88)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel2))
        .addGap(32, 32, 32)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel1)
        .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

```

```

        .addGap(29, 29, 29)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel4)
        .addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 31,
Short.MAX_VALUE)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel3)
        .addComponent(jRadioButton1)
        .addComponent(jRadioButton2)
        .addComponent(jRadioButton3))
        .addGap(28, 28, 28)

    .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))
        .addGap(30, 30, 30)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel5)
        .addComponent(jTextField5, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(59, 59, 59)
        .addComponent(jButton1)
        .addGap(68, 68, 68))
    );

    pack();
} // </editor-fold>

private void jTextField4ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jRadioButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

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

```

```
Connection conn =  
DriverManager.getConnection("jdbc:oracle:thin:@localhost:1522/XEPDB1","system","admin166");
```

```
int eid = Integer.parseInt(jTextField1.getText());  
String ename = jTextField2.getText();  
String dob = jTextField3.getText();  
String design = jTextField4.getText();  
Float basic = Float.parseFloat(jTextField5.getText());
```

```
String sex = "O";  
if(jRadioButton1.isSelected()==true){  
    sex = "M";  
}  
else{  
    sex = "F";  
}
```

```
PreparedStatement ps = conn.prepareStatement("INSERT INTO  
emp_payroll(eid,ename,dob,sex,designation,basic) VALUES(?,?,?,?,?,?)");  
ps.setInt(1, eid);  
ps.setString(2, ename);  
ps.setString(3, dob);  
ps.setString(4, sex);  
ps.setString(5, design);  
ps.setFloat(6, basic);  
ps.executeUpdate();
```

```
CallableStatement cs = conn.prepareCall("{call calcNetPay(?,?)}");  
cs.setInt(1, eid);  
cs.setFloat(2, basic);  
cs.executeUpdate();
```

```
JOptionPane.showMessageDialog(this,"Employee Inserted!","Insert Success",  
INFORMATION_MESSAGE);
```

```
jTextField1.setText("");  
jTextField2.setText("");  
jTextField3.setText("");  
jTextField4.setText("");  
jTextField5.setText("");  
jRadioButton1.setSelected(false);  
jRadioButton2.setSelected(false);  
jRadioButton3.setSelected(false);
```

```

        conn.close();
    } catch (Exception e) {
        System.err.println("Insert Exception");
        System.err.println(e.getMessage());
        JOptionPane.showMessageDialog(this, "Failed to Insert", "Insert Error",
ERROR_MESSAGE);
    }
}

/**
 * @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(Insert.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Insert.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Insert.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Insert.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 Insert().setVisible(true);
        }
    });
}

// Variables declaration - do not modify
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.JRadioButton jButton1;
private javax.swing.JRadioButton jButton2;
private javax.swing.JRadioButton jButton3;
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
}

```

*****Update.java*****

```

package employeepayroll;

import java.sql.Connection;
import java.sql.Date;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.text.Format;
import java.text.SimpleDateFormat;
import javax.swing.JOptionPane;
import static javax.swing.JOptionPane.ERROR_MESSAGE;
import static javax.swing.JOptionPane.INFORMATION_MESSAGE;

```

```

/**
 *
 * @author Lakshmi Priya
 */
public class Update extends javax.swing.JFrame {

    /**
     * Creates new form Update
     */
    public Update() {
        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() {

        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();
        jRadioButton1 = new javax.swing.JRadioButton();
        jRadioButton2 = new javax.swing.JRadioButton();
        jRadioButton3 = new javax.swing.JRadioButton();
        jButton1 = new javax.swing.JButton();
        jLabel1 = new javax.swing.JLabel();
        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();
        jButton2 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jTextField1.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
        jTextField1.setForeground(new java.awt.Color(255, 102, 0));

```

```
jTextField1.setMinimumSize(new java.awt.Dimension(100, 100));

jTextField2.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
jTextField2.setForeground(new java.awt.Color(255, 102, 0));
jTextField2.setEnabled(false);

jTextField3.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
jTextField3.setForeground(new java.awt.Color(255, 102, 0));
jTextField3.setEnabled(false);

jTextField4.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
jTextField4.setForeground(new java.awt.Color(255, 102, 0));
jTextField4.setEnabled(false);
jTextField4.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField4ActionPerformed(evt);
    }
});

jTextField5.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
jTextField5.setForeground(new java.awt.Color(255, 102, 0));
jTextField5.setEnabled(false);

jRadioButton1.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
jRadioButton1.setForeground(new java.awt.Color(255, 102, 0));
jRadioButton1.setText("Male");
jRadioButton1.setEnabled(false);

jRadioButton2.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
jRadioButton2.setForeground(new java.awt.Color(255, 102, 0));
jRadioButton2.setText("Female");
jRadioButton2.setEnabled(false);
jRadioButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jRadioButton2ActionPerformed(evt);
    }
});

jRadioButton3.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
jRadioButton3.setForeground(new java.awt.Color(255, 102, 0));
jRadioButton3.setText("Other");
jRadioButton3.setEnabled(false);

jButton1.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
```



```
jButton1.setForeground(new java.awt.Color(255, 0, 51));
jButton1.setText("OK");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jLabel1.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N
jLabel1.setForeground(new java.awt.Color(0, 153, 153));
jLabel1.setText("Employee Name");
jLabel1.setEnabled(false);

jLabel2.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N
jLabel2.setForeground(new java.awt.Color(0, 153, 153));
jLabel2.setText("Employee ID");

jLabel3.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N
jLabel3.setForeground(new java.awt.Color(0, 153, 153));
jLabel3.setText("SEX");
jLabel3.setEnabled(false);

jLabel4.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N
jLabel4.setForeground(new java.awt.Color(0, 153, 153));
jLabel4.setText("DOB (dd-MON-yyyy)");
jLabel4.setEnabled(false);

jLabel5.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N
jLabel5.setForeground(new java.awt.Color(0, 153, 153));
jLabel5.setText("Basic Salary");
jLabel5.setEnabled(false);

jLabel6.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N
jLabel6.setForeground(new java.awt.Color(0, 153, 153));
jLabel6.setText("Designation");
jLabel6.setEnabled(false);

jButton2.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
jButton2.setForeground(new java.awt.Color(255, 0, 51));
jButton2.setText("UPDATE DETAIL");
jButton2.setEnabled(false);
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(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(94, 94, 94)

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

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jLabel3)
    .addGroup(layout.createSequentialGroup()
        .addGap(325, 325, 325)
        .addComponent(jRadioButton1)))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jRadioButton2)
    .addGap(27, 27, 27)
    .addComponent(jRadioButton3)
    .addGap(221, 221, 221))
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
    .addComponent(jLabel2, javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jLabel1, javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jLabel4, javax.swing.GroupLayout.Alignment.LEADING))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
    .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
133, javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
    .addComponent(jTextField2)
    .addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED_SIZE,
133, javax.swing.GroupLayout.PREFERRED_SIZE)))
    .addGap(145, 145, 145)
    .addComponent(jButton1)

```

```

        .addGap(154, 154, 154))
    .addGroup(layout.createSequentialGroup())

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel6)
        .addComponent(jLabel5))
    .addGap(194, 194, 194)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(jTextField4, javax.swing.GroupLayout.DEFAULT_SIZE, 135,
Short.MAX_VALUE)
        .addComponent(jTextField5))
    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))))
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jButton2)
        .addGap(101, 101, 101))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(89, 89, 89)

            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel2)
                .addComponent(jButton1))
            .addGap(29, 29, 29)

            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel1)
                .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(29, 29, 29)

            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel4)
                .addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 30,
Short.MAX_VALUE)

```

```
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel3)
    .addComponent(jRadioButton1)
    .addComponent(jRadioButton2)
    .addComponent(jRadioButton3))
.addGap(28, 28, 28)
```

```
.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))
.addGap(30, 30, 30)
```

```
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel5)
    .addComponent(jTextField5, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(69, 69, 69)
.addComponent(jButton2)
.addGap(58, 58, 58))
);
```

```
pack();
} // </editor-fold>
```

```
private void jTextField4ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}
```

```
private void jRadioButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}
```

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

```
    jLabel1.setEnabled(true);
    jLabel3.setEnabled(true);
    jLabel4.setEnabled(true);
    jLabel5.setEnabled(true);
    jLabel6.setEnabled(true);
    jTextField2.setEnabled(true);
    jTextField3.setEnabled(true);
    jTextField4.setEnabled(true);
```

```

jTextField5.setEnabled(true);
jRadioButton1.setSelected(false);
jRadioButton2.setSelected(false);
jRadioButton3.setSelected(false);
jRadioButton1.setEnabled(true);
jRadioButton2.setEnabled(true);
jRadioButton3.setEnabled(true);
jButton2.setEnabled(true);

try {
    Connection conn =
DriverManager.getConnection("jdbc:oracle:thin:@localhost:1522/XEPDB1","system","admin166");

    int eid = Integer.parseInt(jTextField1.getText());
    String stmt1 = "SELECT ename, dob, sex, designation, basic FROM emp_payroll
WHERE eid = ?";
    PreparedStatement p = conn.prepareStatement(stmt1);
    p.clearParameters();
    p.setInt(1, eid);
    ResultSet r = p.executeQuery();

    while(r.next())
    {
        String ename = r.getString(1);
        Date dob = r.getDate(2);
        String sex = r.getString(3);
        String design = r.getString(4);
        Float basic = Float.parseFloat(r.getString(5));

        Format formatter = new SimpleDateFormat("dd-MMM-yyyy");
        String date = formatter.format(dob);

        jTextField2.setText(ename);
        jTextField3.setText(date);
        jTextField4.setText(design);
        jTextField5.setText(Float.toString(basic));

        if('M'==sex.charAt(0)){
            jRadioButton1.setSelected(true);
        }
        else if('F'==sex.charAt(0)){
            jRadioButton2.setSelected(true);
        }
    }
}

```

```

        else{
            jButton3.setSelected(true);
        }
    }
} catch (Exception e) {
    System.err.println("Retrieval Exception");
    System.err.println(e.getMessage());
    JOptionPane.showMessageDialog(this, "Failed to retrieve", "Retrieval Error",
ERROR_MESSAGE);
}

}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    try {
        Connection conn =
DriverManager.getConnection("jdbc:oracle:thin:@localhost:1522/XEPDB1","system","admin166");

        int eid = Integer.parseInt(jTextField1.getText());

        String ename = jTextField2.getText();
        String dob = jTextField3.getText();
        String design = jTextField4.getText();
        Float basic = Float.parseFloat(jTextField5.getText());

        String sex = "O";
        if(jButton1.isSelected()==true){
            sex = "M";
        }
        else if(jButton2.isSelected()==true){
            sex = "F";
        }

        PreparedStatement ps=conn.prepareStatement("UPDATE emp_payroll SET ename =
?, dob = ?, sex = ?, designation = ?, basic = ? WHERE eid = ?");
        ps.setInt(6, eid);
        ps.setString(1, ename);
        ps.setString(2, dob);
        ps.setString(3, sex);
        ps.setString(4, design);
        ps.setFloat(5, basic);
        ps.executeUpdate();
    }
}

```

```

CallableStatement cs = conn.prepareCall("{call calcNetPay(?,?)");
cs.setInt(1, eid);
cs.setFloat(2, basic);
cs.executeUpdate();

JOptionPane.showMessageDialog(this, "Employee detail Updated!", "Update Success",
INFORMATION_MESSAGE);

jTextField1.setText("");
jTextField2.setText("");
jTextField3.setText("");
jTextField4.setText("");
jTextField5.setText("");
jRadioButton1.setSelected(false);
jRadioButton2.setSelected(false);
jRadioButton3.setSelected(false);
jLabel2.setEnabled(false);
jLabel3.setEnabled(false);
jLabel4.setEnabled(false);
jLabel5.setEnabled(false);
jLabel6.setEnabled(false);
jTextField2.setEnabled(false);
jTextField3.setEnabled(false);
jTextField4.setEnabled(false);
jTextField5.setEnabled(false);
jRadioButton1.setEnabled(false);
jRadioButton2.setEnabled(false);
jRadioButton3.setEnabled(false);
jButton2.setEnabled(false);
conn.close();
} catch (Exception e) {
    System.err.println("Update Exception");
    System.err.println(e.getMessage());
    JOptionPane.showMessageDialog(this, "Failed to update", "Update Error",
ERROR_MESSAGE);
}
}

/**
 * @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(Update.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Update.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Update.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Update.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 Update().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;

```



```

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.JRadioButton jRadioButton1;
private javax.swing.JRadioButton jRadioButton2;
private javax.swing.JRadioButton jRadioButton3;
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
}

```

*****Delete.java*****

```

package employeepayroll;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import javax.swing.JOptionPane;
import static javax.swing.JOptionPane.ERROR_MESSAGE;
import static javax.swing.JOptionPane.INFORMATION_MESSAGE;

/**
 *
 * @author Lakshmi Priya
 */
public class Delete extends javax.swing.JFrame {

    /**
     * Creates new form Delete
     */
    public Delete() {
        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() {  
  
    jLabel2 = new javax.swing.JLabel();  
    jTextField1 = new javax.swing.JTextField();  
    jLabel3 = new javax.swing.JLabel();  
    jButton1 = new javax.swing.JButton();  
  
    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);  
  
    jLabel2.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N  
    jLabel2.setForeground(new java.awt.Color(0, 153, 153));  
    jLabel2.setText("Employee ID");  
  
    jTextField1.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N  
    jTextField1.setForeground(new java.awt.Color(255, 102, 0));  
    jTextField1.setMinimumSize(new java.awt.Dimension(100, 100));  
  
    jLabel3.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N  
    jLabel3.setForeground(new java.awt.Color(0, 153, 153));  
    jLabel3.setText("Enter Employee ID of record to be deleted");  
  
    jButton1.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N  
    jButton1.setForeground(new java.awt.Color(255, 0, 51));  
    jButton1.setText("DELETE DETAIL");  
    jButton1.addActionListener(new java.awt.event.ActionListener() {  
        public void actionPerformed(java.awt.event.ActionEvent evt) {  
            jButton1ActionPerformed(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(javax.swing.GroupLayout.Alignment.LEADING)  
                .addGroup(layout.createSequentialGroup()
```

```

        .addGap(217, 217, 217)
        .addComponent(jLabel3))
    .addGroup(layout.createSequentialGroup()
        .addGap(366, 366, 366)
        .addComponent(jButton1)))
    .addContainerGap(224, Short.MAX_VALUE))
    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(227, 227, 227)
            .addComponent(jLabel2)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE, 133,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(228, 228, 228)))
        );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(183, 183, 183)
            .addComponent(jLabel3)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 187,
Short.MAX_VALUE)
            .addComponent(jButton1)
            .addGap(172, 172, 172))
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap(287, 287, 287)

                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel2))
                .addContainerGap(287, Short.MAX_VALUE)))
            );

    pack();
} // </editor-fold>

```

```

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

```

```

try{

```

```

        Connection conn =
DriverManager.getConnection("jdbc:oracle:thin:@localhost:1522/XEPDB1","system","admin166");

        int eid=Integer.parseInt(jTextField1.getText());
        PreparedStatement ps=conn.prepareStatement("Select * from emp_payroll WHERE eid
= "+eid);
        ResultSet rs=ps.executeQuery();

        int flag=0;
        while(rs.next()){
            flag+=1;
        }
        if(flag==0)
            JOptionPane.showMessageDialog(this,"Employee detail not found", "Search failed",
INFORMATION_MESSAGE);

        PreparedStatement stmt=conn.prepareStatement("DELETE FROM emp_payroll WHERE
eid = ?");
        stmt.setInt(1, eid);
        stmt.executeUpdate();

        conn.close();

    }
    catch(Exception e){
        System.err.println("Delete Exception");
        System.err.println(e.getMessage());
        JOptionPane.showMessageDialog(this,"Unable to Delete","Delete
Error",ERROR_MESSAGE);
    }

}

/**
 * @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(Delete.class.getName()).log(java.util.logging.Level.SEVERE
, null, ex);
        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Delete.class.getName()).log(java.util.logging.Level.SEVERE
, null, ex);
        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Delete.class.getName()).log(java.util.logging.Level.SEVERE
, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Delete.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 Delete().setVisible(true);
        }
    });
}

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JTextField jTextField1;
// End of variables declaration
}

```

*****Search.java*****

```
package employeepayroll;

import java.sql.Connection;
import java.sql.Date;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.text.Format;
import java.text.SimpleDateFormat;
import javax.swing.JOptionPane;
import static javax.swing.JOptionPane.ERROR_MESSAGE;

/**
 *
 * @author Lakshmi Priya
 */
public class Search extends javax.swing.JFrame {

    /**
     * Creates new form Search
     */
    public Search() {
        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() {

        jTextField5 = new javax.swing.JTextField();
        jRadioButton1 = new javax.swing.JRadioButton();
        jRadioButton2 = new javax.swing.JRadioButton();
        jRadioButton3 = new javax.swing.JRadioButton();
        jButton1 = new javax.swing.JButton();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jTextField1 = new javax.swing.JTextField();
    }
}
```

```
jLabel3 = new javax.swing.JLabel();
jTextField2 = new javax.swing.JTextField();
jLabel4 = new javax.swing.JLabel();
jTextField3 = new javax.swing.JTextField();
jLabel5 = new javax.swing.JLabel();
jTextField4 = new javax.swing.JTextField();
jLabel6 = new javax.swing.JLabel();
jTextField6 = new javax.swing.JTextField();
jLabel7 = new javax.swing.JLabel();
jTextField7 = new javax.swing.JTextField();
jLabel8 = new javax.swing.JLabel();
jTextField8 = new javax.swing.JTextField();
jLabel9 = new javax.swing.JLabel();
jTextField9 = new javax.swing.JTextField();
jLabel10 = new javax.swing.JLabel();
jTextField10 = new javax.swing.JTextField();
jLabel11 = new javax.swing.JLabel();
jTextField11 = new javax.swing.JTextField();
jLabel12 = new javax.swing.JLabel();
jTextField12 = new javax.swing.JTextField();
jLabel13 = new javax.swing.JLabel();
```

```
setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
```

```
jTextField5.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
jTextField5.setForeground(new java.awt.Color(255, 102, 0));
jTextField5.setEnabled(false);
jTextField5.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField5ActionPerformed(evt);
    }
});
```

```
jRadioButton1.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
jRadioButton1.setForeground(new java.awt.Color(255, 102, 0));
jRadioButton1.setText("Male");
jRadioButton1.setEnabled(false);
```

```
jRadioButton2.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
jRadioButton2.setForeground(new java.awt.Color(255, 102, 0));
jRadioButton2.setText("Female");
jRadioButton2.setEnabled(false);
jRadioButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
```

```

        jButton2ActionPerformed(evt);
    }
});

jRadioButton3.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
jRadioButton3.setForeground(new java.awt.Color(255, 102, 0));
jRadioButton3.setText("Other");
jRadioButton3.setEnabled(false);

jButton1.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
jButton1.setForeground(new java.awt.Color(255, 0, 51));
jButton1.setText("SEARCH DETAIL");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jLabel1.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N
jLabel1.setForeground(new java.awt.Color(0, 153, 153));
jLabel1.setText("Employee Name");
jLabel1.setEnabled(false);

jLabel2.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N
jLabel2.setForeground(new java.awt.Color(0, 153, 153));
jLabel2.setText("Employee ID");

jTextField1.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
jTextField1.setForeground(new java.awt.Color(255, 102, 0));
jTextField1.setMinimumSize(new java.awt.Dimension(100, 100));

jLabel3.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N
jLabel3.setForeground(new java.awt.Color(0, 153, 153));
jLabel3.setText("SEX");
jLabel3.setEnabled(false);

jTextField2.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
jTextField2.setForeground(new java.awt.Color(255, 102, 0));
jTextField2.setEnabled(false);

jLabel4.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N
jLabel4.setForeground(new java.awt.Color(0, 153, 153));
jLabel4.setText("DOB (dd-MON-yyyy)");
jLabel4.setEnabled(false);

```



```
jTextField3.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
jTextField3.setForeground(new java.awt.Color(255, 102, 0));
jTextField3.setEnabled(false);
```

```
jLabel5.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N
jLabel5.setForeground(new java.awt.Color(0, 153, 153));
jLabel5.setText("Basic");
jLabel5.setEnabled(false);
```

```
jTextField4.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
jTextField4.setForeground(new java.awt.Color(255, 102, 0));
jTextField4.setEnabled(false);
jTextField4.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField4ActionPerformed(evt);
    }
});
```

```
jLabel6.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N
jLabel6.setForeground(new java.awt.Color(0, 153, 153));
jLabel6.setText("Designation");
jLabel6.setEnabled(false);
```

```
jTextField6.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
jTextField6.setForeground(new java.awt.Color(255, 102, 0));
jTextField6.setEnabled(false);
```

```
jLabel7.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N
jLabel7.setForeground(new java.awt.Color(0, 153, 153));
jLabel7.setText("DA");
jLabel7.setEnabled(false);
```

```
jTextField7.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
jTextField7.setForeground(new java.awt.Color(255, 102, 0));
jTextField7.setEnabled(false);
jTextField7.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField7ActionPerformed(evt);
    }
});
```

```
jLabel8.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N
jLabel8.setForeground(new java.awt.Color(0, 153, 153));
```

```
jLabel8.setText("HRA");  
jLabel8.setEnabled(false);
```

```
jTextField8.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N  
jTextField8.setForeground(new java.awt.Color(255, 102, 0));  
jTextField8.setEnabled(false);  
jTextField8.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jTextField8ActionPerformed(evt);  
    }  
});
```

```
jLabel9.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N  
jLabel9.setForeground(new java.awt.Color(0, 153, 153));  
jLabel9.setText("PF");  
jLabel9.setEnabled(false);
```

```
jTextField9.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N  
jTextField9.setForeground(new java.awt.Color(255, 102, 0));  
jTextField9.setEnabled(false);  
jTextField9.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jTextField9ActionPerformed(evt);  
    }  
});
```

```
jLabel10.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N  
jLabel10.setForeground(new java.awt.Color(0, 153, 153));  
jLabel10.setText("MC");  
jLabel10.setEnabled(false);
```

```
jTextField10.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N  
jTextField10.setForeground(new java.awt.Color(255, 102, 0));  
jTextField10.setEnabled(false);
```

```
jLabel11.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N  
jLabel11.setForeground(new java.awt.Color(0, 153, 153));  
jLabel11.setText("Gross");  
jLabel11.setEnabled(false);
```

```
jTextField11.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N  
jTextField11.setForeground(new java.awt.Color(255, 102, 0));  
jTextField11.setEnabled(false);
```

```
jLabel12.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N
jLabel12.setForeground(new java.awt.Color(0, 153, 153));
jLabel12.setText("Total Deduction");
jLabel12.setEnabled(false);

jTextField12.setFont(new java.awt.Font("SansSerif", 1, 18)); // NOI18N
jTextField12.setForeground(new java.awt.Color(255, 102, 0));
jTextField12.setEnabled(false);

jLabel13.setFont(new java.awt.Font("SansSerif", 1, 24)); // NOI18N
jLabel13.setForeground(new java.awt.Color(0, 153, 153));
jLabel13.setText("Net Pay");
jLabel13.setEnabled(false);

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(100, 100, 100)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
    .addGroup(layout.createSequentialGroup()
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .add(layout.createSequentialGroup()
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                    .add(layout.createSequentialGroup()
                        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                            .addComponent(jLabel2, javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(jLabel1, javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(jLabel4, javax.swing.GroupLayout.Alignment.LEADING)
                            .addPreferredGap(LayoutStyle.ComponentPlacement.UNRELATED)
                            .addGap(105, 105, 105)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
    .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
133, javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
    .addComponent(jTextField2)
    .addComponent(jTextField3,
javax.swing.GroupLayout.PREFERRED_SIZE, 133,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGroup(layout.createSequentialGroup()
```

```
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jLabel6)
    .addComponent(jLabel5))
    .addGap(194, 194, 194)
    .addComponent(jTextField4, javax.swing.GroupLayout.PREFERRED_SIZE,
135, javax.swing.GroupLayout.PREFERRED_SIZE)))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
203, Short.MAX_VALUE))
    .addGroup(layout.createSequentialGroup())
```

```
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jLabel3)
    .addGroup(layout.createSequentialGroup()
        .addGap(325, 325, 325)
        .addComponent(jRadioButton1)))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jRadioButton2)
    .addGap(81, 81, 81)))
```

```
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jRadioButton3)
    .addComponent(jButton1))
    .addGap(56, 56, 56))
    .addGroup(layout.createSequentialGroup())
    .addGap(98, 98, 98)
```

```
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jLabel13)
    .addComponent(jLabel11)
    .addComponent(jLabel9))
    .addGap(30, 30, 30)
```

```
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jTextField8, javax.swing.GroupLayout.PREFERRED_SIZE, 135,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jTextField12, javax.swing.GroupLayout.PREFERRED_SIZE, 135,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jTextField10, javax.swing.GroupLayout.PREFERRED_SIZE, 135,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jTextField5, javax.swing.GroupLayout.PREFERRED_SIZE, 135,
javax.swing.GroupLayout.PREFERRED_SIZE))
```

```

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addComponent(jLabel7)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addComponent(jTextField6, javax.swing.GroupLayout.PREFERRED_SIZE, 135,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(64, 64, 64)
            .addComponent(jLabel8)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jTextField7, javax.swing.GroupLayout.PREFERRED_SIZE, 135,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(layout.createSequentialGroup()
            .addComponent(jLabel10)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addComponent(jTextField9, javax.swing.GroupLayout.PREFERRED_SIZE, 135,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(layout.createSequentialGroup()
            .addComponent(jLabel12)
            .addGap(30, 30, 30)
            .addComponent(jTextField11, javax.swing.GroupLayout.PREFERRED_SIZE, 135,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(75, 75, 75))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addContainerGap()

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel2)
        .addComponent(jButton1))
        .addGap(30, 30, 30)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel1)
        .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(30, 30, 30)

```

```

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel4)
    .addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(30, 30, 30)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel3)
    .addComponent(jRadioButton1)
    .addComponent(jRadioButton2)
    .addComponent(jRadioButton3))
.addGap(30, 30, 30)

.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))
.addGap(30, 30, 30)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jLabel5))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jTextField5, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jTextField7, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel8)
    .addComponent(jTextField6, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel7)))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 24,
Short.MAX_VALUE)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jLabel9))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel10)
    .addComponent(jTextField9, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jTextField8, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))

```

```

        .addGap(30, 30, 30)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                layout.createSequentialGroup()
                    .addComponent(jLabel11)
                    .addGap(40, 40, 40)
                    .addComponent(jLabel13))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                layout.createSequentialGroup()

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jTextField10, javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                layout.createSequentialGroup()
                    .addComponent(jLabel12)
                    .addGap(2, 2, 2))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                layout.createSequentialGroup()
                    .addGap(4, 4, 4)
                    .addComponent(jTextField11,
                        javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
                        javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addGap(40, 40, 40)
            .addComponent(jTextField12, javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addContainerGap())
        );

        pack();
    } // </editor-fold>

    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

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

        jLabel1.setEnabled(true);
        jLabel3.setEnabled(true);
        jLabel4.setEnabled(true);

```

```

jLabel5.setEnabled(true);
jLabel6.setEnabled(true);
jLabel7.setEnabled(true);
jLabel8.setEnabled(true);
jLabel9.setEnabled(true);
jLabel10.setEnabled(true);
jLabel11.setEnabled(true);
jLabel12.setEnabled(true);
jLabel13.setEnabled(true);
jTextField2.setEnabled(true);
jTextField3.setEnabled(true);
jTextField4.setEnabled(true);
jTextField5.setEnabled(true);
jTextField6.setEnabled(true);
jTextField7.setEnabled(true);
jTextField8.setEnabled(true);
jTextField9.setEnabled(true);
jTextField10.setEnabled(true);
jTextField11.setEnabled(true);
jTextField12.setEnabled(true);
jRadioButton1.setSelected(false);
jRadioButton2.setSelected(false);
jRadioButton3.setSelected(false);
jRadioButton1.setEnabled(true);
jRadioButton2.setEnabled(true);
jRadioButton3.setEnabled(true);

try {
    Connection conn =
DriverManager.getConnection("jdbc:oracle:thin:@localhost:1522/XEPDB1","system","admin166");

    int eid = Integer.parseInt(jTextField1.getText());
    String stmt1 = "SELECT * FROM emp_payroll WHERE eid = ?";
    PreparedStatement p = conn.prepareStatement(stmt1);
    p.clearParameters();
    p.setInt(1, eid);
    ResultSet r = p.executeQuery();

    while(r.next())
    {
        String ename = r.getString(2);
        Date dob = r.getDate(3);
        String sex = r.getString(4);

```



```

String design = r.getString(5);
Float basic = Float.parseFloat(r.getString(6));
Float da = Float.parseFloat(r.getString(7));
Float hra = Float.parseFloat(r.getString(8));
Float pf = Float.parseFloat(r.getString(9));
Float mc = Float.parseFloat(r.getString(10));
Float gross = Float.parseFloat(r.getString(11));
Float totdeduc = Float.parseFloat(r.getString(12));
Float netpay = Float.parseFloat(r.getString(13));

Format formatter = new SimpleDateFormat("dd-MMM-yyyy");
String date = formatter.format(dob);

jTextField2.setText(ename);
jTextField3.setText(date);
jTextField4.setText(design);
jTextField5.setText(Float.toString(basic));
jTextField6.setText(Float.toString(da));
jTextField7.setText(Float.toString(hra));
jTextField8.setText(Float.toString(pf));
jTextField9.setText(Float.toString(mc));
jTextField10.setText(Float.toString(gross));
jTextField11.setText(Float.toString(totdeduc));
jTextField12.setText(Float.toString(netpay));

if('M'==sex.charAt(0)){
    jRadioButton1.setSelected(true);
}
else if('F'==sex.charAt(0)){
    jRadioButton2.setSelected(true);
}
else{
    jRadioButton3.setSelected(true);
}
}
} catch (Exception e) {
    System.err.println("Retrieval Exception");
    System.err.println(e.getMessage());
    JOptionPane.showMessageDialog(this, "Failed to retrieve", "Retrieval Error",
ERROR_MESSAGE);
}
}

private void jTextField4ActionPerformed(java.awt.event.ActionEvent evt) {

```

```

    // TODO add your handling code here:
}

private void jTextField9ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jTextField7ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jTextField8ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jTextField5ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

/**
 * @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(Search.class.getName()).log(java.util.logging.Level.SEVERE
, null, ex);
    } catch (InstantiationException ex) {
java.util.logging.Logger.getLogger(Search.class.getName()).log(java.util.logging.Level.SEVERE
, null, ex);
    }

```

```

    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Search.class.getName()).log(java.util.logging.Level.SEVERE
, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Search.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 Search().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel13;
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.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JRadioButton jRadioButton1;
private javax.swing.JRadioButton jRadioButton2;
private javax.swing.JRadioButton jRadioButton3;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField10;
private javax.swing.JTextField jTextField11;
private javax.swing.JTextField jTextField12;
private javax.swing.JTextField jTextField2;
private javax.swing.JTextField jTextField3;
private javax.swing.JTextField jTextField4;

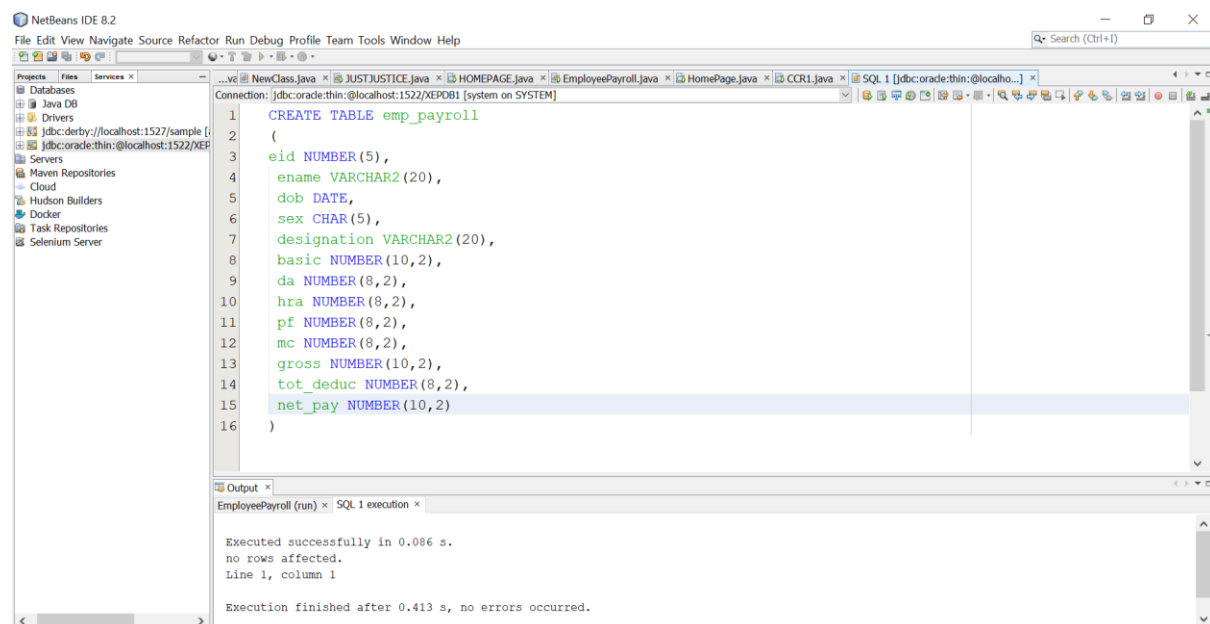
```

```

private javax.swing.JTextField jTextField5;
private javax.swing.JTextField jTextField6;
private javax.swing.JTextField jTextField7;
private javax.swing.JTextField jTextField8;
private javax.swing.JTextField jTextField9;
// End of variables declaration
}

```

OUTPUT SCREENSHOTS:



```

CREATE TABLE emp_payroll
(
    eid NUMBER(5),
    ename VARCHAR2(20),
    dob DATE,
    sex CHAR(5),
    designation VARCHAR2(20),
    basic NUMBER(10,2),
    da NUMBER(8,2),
    hra NUMBER(8,2),
    pf NUMBER(8,2),
    mc NUMBER(8,2),
    gross NUMBER(10,2),
    tot_deduc NUMBER(8,2),
    net_pay NUMBER(10,2)
)

```




EMPLOYEE DETAILS

INSERT DETAIL

UPDATE DETAIL

DELETE DETAIL

SEARCH DETAIL

EXIT

INSERT:



Employee ID

1

Employee Name

Devi

DOB (dd-MON-yyyy)

17-12-2000

SEX

☐ Male ☒ Female ☐ Other

Designation

Manager

Basic Salary

100000

Insert Success




Employee Inserted!

OK

INSERT DETAIL

UPDATE:



—

□

×

Employee ID

1

OK

Employee Name

Devi

DOB (dd-MON-yyyy)

17-Dec-2000

SEX

☐ Male ☒ Female ☐ Other


Designation

Boss

Basic Salary

200000.0

Update Success




Employee detail Updated!

OK

UPDATE DETAIL

SEARCH:



—

□

×

Employee ID

2

SEARCH DETAIL

Employee Name

Lakshmi Priya

DOB (dd-MON-yyyy)

16-Jun-2000

SEX

☐ Male ☒ Female ☐ Other

Designation

Boss

Basic

500000.0

DA

300000.0

HRA

55000.0

PF

20000.0

MC

15000.0

Gross

855000.0

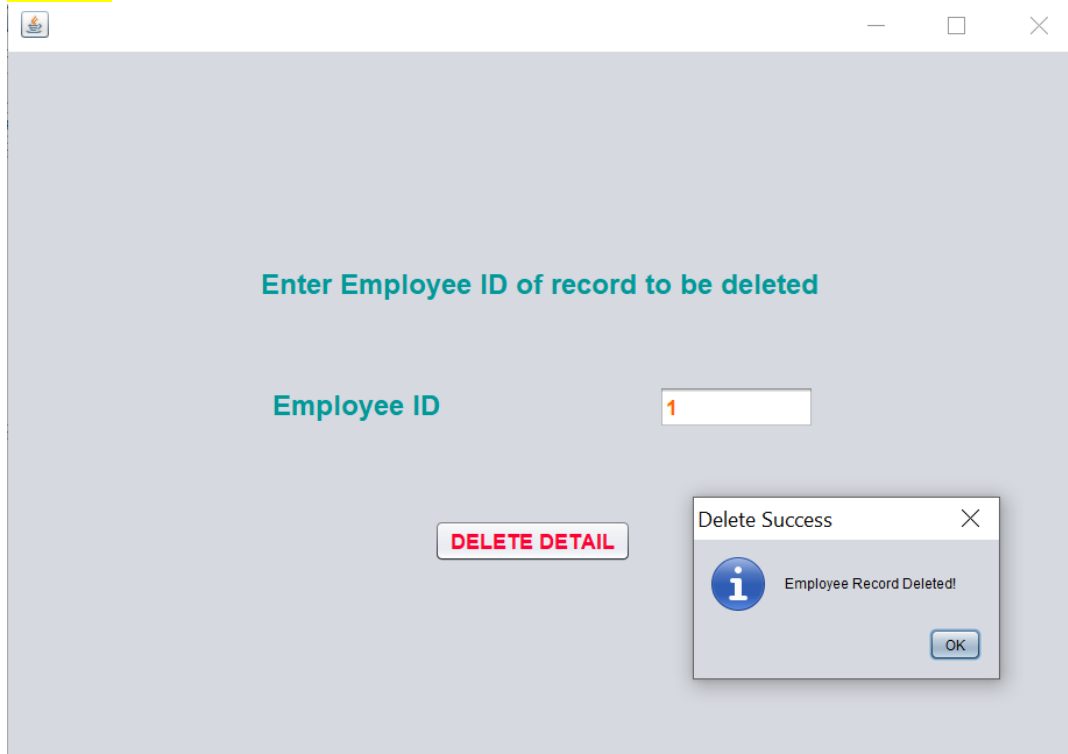
Total Deduction

35000.0

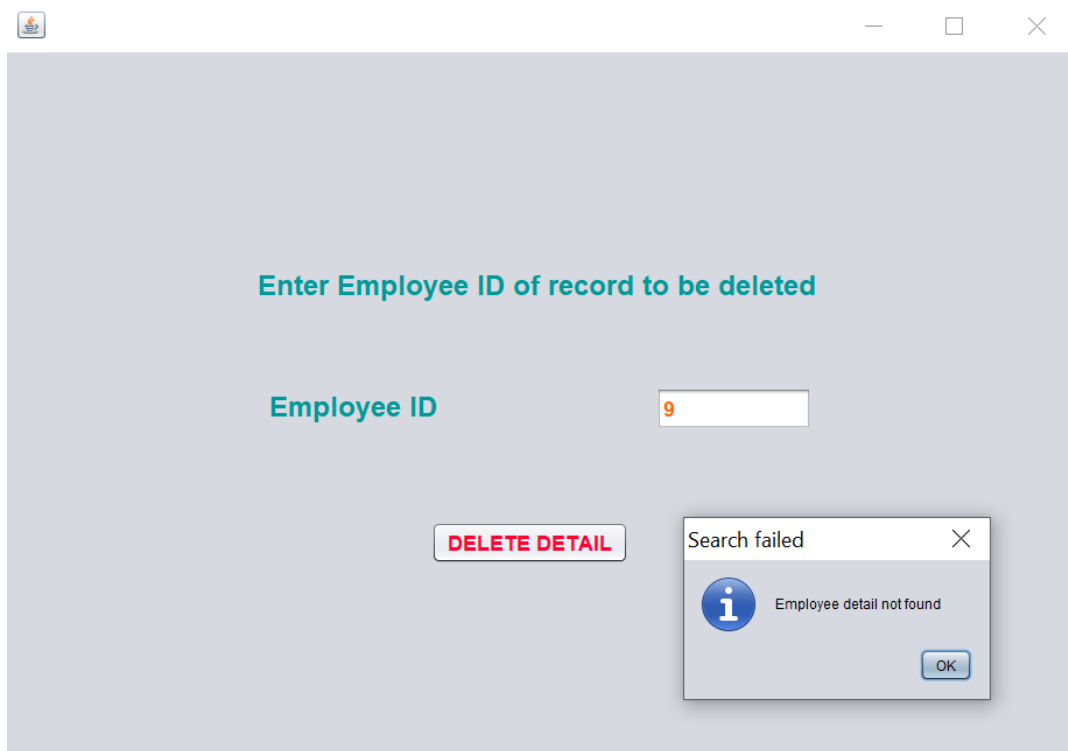
Net Pay

820000.0

DELETE:



A screenshot of a web application window titled "DELETE:". The window has a light gray background and a standard window control bar (minimize, maximize, close). The main content area contains the text "Enter Employee ID of record to be deleted" in a teal font. Below this, there is a label "Employee ID" in teal, followed by a text input field containing the number "1". To the right of the input field is a red button with the text "DELETE DETAIL". A modal dialog box is open in the bottom right corner, titled "Delete Success". It features a blue information icon, the text "Employee Record Deleted!", and an "OK" button.



A screenshot of the same web application window, but with a different state. The text "Enter Employee ID of record to be deleted" and the "Employee ID" label remain. The text input field now contains the number "9". The "DELETE DETAIL" button is still present. A modal dialog box is open in the bottom right corner, titled "Search failed". It features a blue information icon, the text "Employee detail not found", and an "OK" button.