

SOURCE CODE

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

public class NewJFrame extends javax.swing.JFrame {

    private String mode;
    double bmr;
    public NewJFrame() {
        initComponents();
    }

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

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        Connection con;
        PreparedStatement ps;
        try {
            Class.forName("org.apache.derby.jdbc.ClientDriver");
        } catch (ClassNotFoundException ex) {
            Logger.getLogger(NewJFrame.class.getName()).log(Level.SEVERE, null, ex);
        }
        try {
            con=DriverManager.getConnection("jdbc:derby://localhost:1527/Project","siddhesh","sid");
        } catch (SQLException ex) {
            Logger.getLogger(NewJFrame.class.getName()).log(Level.SEVERE, null, ex);
        }
        double age, height, weight;

        {
            age = Double.parseDouble(Age.getText());
            height = Double.parseDouble(Height.getText());
            weight = Double.parseDouble(Weight.getText());

            //Calculate BMR for Male
            bmr = (655 + (9.6 * weight) + (1.8 * height) - (4.7 * age));
            String result=Double.toString(bmr);
            Result1.setText(" Calories need to be Functioning : " +result);
        }
    }

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

```

}

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

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    Age.setText("");
    Height.setText("");
    Weight.setText("");
    Result1.setText("");
}

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
    double age, height, weight;

    {
        age = Double.parseDouble(Age.getText());
        height = Double.parseDouble(Height.getText());
        weight = Double.parseDouble(Weight.getText());

        //Calculate BMR for Female
        bmr = (66 + (13.7 * weight) + (5 * height) - (6.8 * age));
        String result=Double.toString(bmr);
        Result1.setText("Calories need to be Functioning : " +result);
    }
}

private void tdee3ActionPerformed(java.awt.event.ActionEvent evt) {
    //Calculate TDEE for Activity Level 03
    double TDEE;
    double gain;
    double loose;
    TDEE = (1.55 * bmr);
    String re=Double.toString(TDEE);
    Result2.setText(" The Calories to maintain your weight : " +re);
    gain = (TDEE + 350);
    String re2 = Double.toString(gain);
    Result3.setText(" Calories to Gain Weight : " +re2);
    loose = (TDEE - 250);
    String re3 = Double.toString(loose);
    Result4.setText(" Calories to Loose Weight : " +re3);
}

private void tdee1ActionPerformed(java.awt.event.ActionEvent evt) {
    //Calculate TDEE for Activity Level 01

    double TDEE;
    double gain;
    double loose;

```

```

TDEE = (1.2 * bmr);
String re=Double.toString(TDEE);
Result2.setText(" The Calories to maintain your weight : " +re);
gain = (TDEE + 350);
String re2 = Double.toString(gain);
Result3.setText(" Calories to Gain Weight : " +re2);
loose = (TDEE - 250);
String re3 = Double.toString(loose);
Result4.setText(" Calories to Loose Weight : " +re3);

}

private void tdee2ActionPerformed(java.awt.event.ActionEvent evt) {
//Calculate TDEE for Activity Level 02
double TDEE;
double gain;
double loose;
TDEE = (1.375 * bmr);
String re=Double.toString(TDEE);
Result2.setText(" The Calories to maintain your weight : " +re);
gain = (TDEE + 350);
String re2 = Double.toString(gain);
Result3.setText(" Calories to Gain Weight : " +re2);
loose = (TDEE - 250);
String re3 = Double.toString(loose);
Result4.setText(" Calories to Loose Weight : " +re3);
}

private void tdee4ActionPerformed(java.awt.event.ActionEvent evt) {
//Calculate TDEE for Activity Level 04
double TDEE;
double gain;
double loose;
TDEE = (1.75 * bmr);
String re=Double.toString(TDEE);
Result2.setText(" The Calories to maintain your weight : " +re);
gain = (TDEE + 350);
String re2 = Double.toString(gain);
Result3.setText(" Calories to Gain Weight : " +re2);
loose = (TDEE - 250);
String re3 = Double.toString(loose);
Result4.setText(" Calories to Loose Weight : " +re3);
}

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

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

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

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

```

// Variables declaration - do not modify

```
private javax.swing.JTextField Age;
private javax.swing.JTextField Height;
private javax.swing.JLabel Result1;
private javax.swing.JLabel Result2;
private javax.swing.JLabel Result3;
private javax.swing.JLabel Result4;
private javax.swing.JTextField Weight;
private javax.swing.ButtonGroup buttonGroup1;
private javax.swing.ButtonGroup buttonGroup2;
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton3;
private javax.swing.JButton jButton4;
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 jLabel14;
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.JButton tdee1;
private javax.swing.JButton tdee2;
private javax.swing.JButton tdee3;
private javax.swing.JButton tdee4;
// End of variables declaration
```

```
}
```