

OBJECT ORIENTED PROGRAMMING CONVERTER



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PROJECT DESCRIPTION:

Converter is a mini project coded in Java programming language. This simple application provides a web-based interface for converting money from one currency to another currency / converting temperature from one unit to another unit / converting distance from one unit to another unit.

Following are code which is used in converter: -

JAVADOC CODE:

MAIN DISPLAY:

```
package converter;
```

```
/**
 *
 * @author urooj
 */
public class allConverter extends javax.swing.JFrame {

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

        CONVERTALL = new javax.swing.JPanel();
        CONVERTER = new javax.swing.JLabel();
        DISTANCE = new javax.swing.JButton();
        TEMPERATURE = new javax.swing.JButton();
        CURRENCY = new javax.swing.JButton();
        EXIT = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setLocation(new java.awt.Point(250, 150));
        setResizable(false);
        setType(java.awt.Window.Type.UTILITY);

        CONVERTALL.setBackground(new java.awt.Color(0, 153, 153));

        CONVERTER.setBackground(new java.awt.Color(51, 51, 255));
        CONVERTER.setFont(new java.awt.Font("Times New Roman", 1, 36)); // NOI18N
```

```
CONVERTER.setForeground(new java.awt.Color(255, 255, 255));
CONVERTER.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
CONVERTER.setText("CONVERTER");
CONVERTER.setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT_CURSOR));
```

```
DISTANCE.setBackground(new java.awt.Color(0, 153, 153));
DISTANCE.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
DISTANCE.setText("DISTANCE");
```

```
DISTANCE.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));
;
```

```
DISTANCE.setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT_CURSOR));
DISTANCE.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        DISTANCEActionPerformed(evt);
    }
});
```

```
TEMPERATURE.setBackground(new java.awt.Color(0, 153, 153));
TEMPERATURE.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
TEMPERATURE.setText("TEMPERATURE");
TEMPERATURE.setToolTipText("");
```

```
TEMPERATURE.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));
```

```
TEMPERATURE.setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT_CURSOR));
TEMPERATURE.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        TEMPERATUREActionPerformed(evt);
    }
});
```

```
CURRENCY.setBackground(new java.awt.Color(0, 153, 153));
CURRENCY.setFont(new java.awt.Font("Tahoma", 1, 24)); // NOI18N
CURRENCY.setText("CURRENCY");
```

```
CURRENCY.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));
);
```

```
CURRENCY.setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT_CURSOR));
CURRENCY.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        CURRENCYActionPerformed(evt);
    }
});
```

```
EXIT.setText("Exit");
EXIT.setBorder(new javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.RAISED));
EXIT.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        EXITActionPerformed(evt);
    }
});
```

```
}  
});
```

```
javax.swing.GroupLayout CONVERTALLLayout = new javax.swing.GroupLayout(CONVERTALL);  
CONVERTALL.setLayout(CONVERTALLLayout);  
CONVERTALLLayout.setHorizontalGroup(  
    CONVERTALLLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
        .addGroup(CONVERTALLLayout.createSequentialGroup()  
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)  
            .addComponent(EXIT, javax.swing.GroupLayout.PREFERRED_SIZE, 58,  
javax.swing.GroupLayout.PREFERRED_SIZE)  
            .addGap(25, 25, 25))  
        .addGroup(CONVERTALLLayout.createSequentialGroup()  
            .addGap(72, 72, 72)  
            .addGroup(CONVERTALLLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)  
                .addComponent(CONVERTER, javax.swing.GroupLayout.PREFERRED_SIZE, 259,  
javax.swing.GroupLayout.PREFERRED_SIZE)  
                .addComponent(CURRENCY, javax.swing.GroupLayout.PREFERRED_SIZE, 263,  
javax.swing.GroupLayout.PREFERRED_SIZE)  
                .addComponent(TEMPERATURE, javax.swing.GroupLayout.PREFERRED_SIZE, 263,  
javax.swing.GroupLayout.PREFERRED_SIZE)  
                .addComponent(DISTANCE, javax.swing.GroupLayout.PREFERRED_SIZE, 263,  
javax.swing.GroupLayout.PREFERRED_SIZE))  
            .addContainerGap(80, Short.MAX_VALUE))  
);  
CONVERTALLLayout.setVerticalGroup(  
    CONVERTALLLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
        .addGroup(CONVERTALLLayout.createSequentialGroup()  
            .addContainerGap()  
            .addComponent(CONVERTER, javax.swing.GroupLayout.PREFERRED_SIZE, 50,  
javax.swing.GroupLayout.PREFERRED_SIZE)  
            .addGap(18, 18, 18)  
            .addComponent(CURRENCY, javax.swing.GroupLayout.PREFERRED_SIZE, 66,  
javax.swing.GroupLayout.PREFERRED_SIZE)  
            .addGap(18, 18, 18)  
            .addComponent(TEMPERATURE, javax.swing.GroupLayout.PREFERRED_SIZE, 69,  
javax.swing.GroupLayout.PREFERRED_SIZE)  
            .addGap(18, 18, 18)  
            .addComponent(DISTANCE, javax.swing.GroupLayout.PREFERRED_SIZE, 62,  
javax.swing.GroupLayout.PREFERRED_SIZE)  
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 18, Short.MAX_VALUE)  
            .addComponent(EXIT, javax.swing.GroupLayout.PREFERRED_SIZE, 26,  
javax.swing.GroupLayout.PREFERRED_SIZE)  
            .addGap(6, 6, 6))  
);  
  
javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());  
getContentPane().setLayout(layout);  
layout.setHorizontalGroup(  
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```

        .addComponent(CONVERTALL, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(CONVERTALL, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );

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

```

```

private void DISTANCEActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    distance obj1 = new distance();
    dispose();
    obj1.setVisible(true);
}

```

```

private void TEMPERATUREActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    tempertaure obj2 = new tempertaure();
    dispose();
    obj2.setVisible(true);
}

```

```

private void CURRENCYActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    currency obj = new currency();
    dispose();
    obj.setVisible(true);
}

```

```

private void EXITActionPerformed(java.awt.event.ActionEvent evt) {
    System.exit(0);
}

```

```

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
     * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
     */
    try {

```

```

        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {
        java.util.logging.Logger.getLogger(allConverter.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(allConverter.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(allConverter.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(allConverter.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 allConverter().setVisible(true);
    }
});
}

```

```

// Variables declaration - do not modify
private javax.swing.JPanel CONVERTALL;
private javax.swing.JLabel CONVERTER;
private javax.swing.JButton CURRENCY;
private javax.swing.JButton DISTANCE;
private javax.swing.JButton EXIT;
private javax.swing.JButton TEMPERATURE;
// End of variables declaration
}

```

BUTTON # 1 (CURRENCY):

```

public class currency extends javax.swing.JFrame {

```

```

    double PAKISTAN_RUPEE = 156;
    double UAE_DIRHAM = 42;
    double US_DOLLAR = 4.02;

```

```

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

```

```

    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() {

    jPanel1 = new javax.swing.JPanel();
    jcmbConvert = new javax.swing.JComboBox();
    jLabel2 = new javax.swing.JLabel();
    jtxtconvert = new javax.swing.JTextField();
    lblConvert = new javax.swing.JLabel();
    jButton1 = new javax.swing.JButton();
    jButton2 = new javax.swing.JButton();
    jButton3 = new javax.swing.JButton();
    jButton4 = new javax.swing.JButton();
    jPanel2 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    jLabel4 = new javax.swing.JLabel();
    jLabel5 = new javax.swing.JLabel();
    jLabel6 = new javax.swing.JLabel();
    jLabel7 = new javax.swing.JLabel();
    jLabel8 = new javax.swing.JLabel();
    jLabel9 = new javax.swing.JLabel();
    jLabel10 = new javax.swing.JLabel();
    jLabel11 = new javax.swing.JLabel();
    jLabel12 = new javax.swing.JLabel();
    jLabel13 = new javax.swing.JLabel();
    jLabel14 = new javax.swing.JLabel();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
    setLocation(new java.awt.Point(250, 150));
    setResizable(false);
    setType(java.awt.Window.Type.UTILITY);

    jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));

    jcmbConvert.setModel(new javax.swing.DefaultComboBoxModel(new String[] { "Select an option",
"Pakistan", "UAE", "US" }));

    jLabel2.setText("Enter a number:");

    jtxtconvert.setHorizontalAlignment(javax.swing.JTextField.CENTER);
    jtxtconvert.addActionListener(new java.awt.event.ActionListener() {

```

```

        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jtxtconvertActionPerformed(evt);
        }
    });

    jlblConvert.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
    jlblConvert.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));

    jButton1.setText("Convert");
    jButton1.setBorder(new javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.RAISED));
    jButton1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton1ActionPerformed(evt);
        }
    });

    jButton2.setText("Reset");
    jButton2.setBorder(new javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.RAISED));
    jButton2.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton2ActionPerformed(evt);
        }
    });

    jButton3.setText("Exit");
    jButton3.setBorder(new javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.RAISED));
    jButton3.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton3ActionPerformed(evt);
        }
    });

    jButton4.setFont(new java.awt.Font("Times New Roman", 1, 24)); // NOI18N
    jButton4.setText("BACK");
    jButton4.setBorder(javax.swing.BorderFactory.createEtchedBorder());
    jButton4.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton4ActionPerformed(evt);
        }
    });

    jPanel2.setBackground(new java.awt.Color(51, 102, 255));

    jLabel1.setFont(new java.awt.Font("Times New Roman", 1, 24)); // NOI18N
    jLabel1.setForeground(new java.awt.Color(255, 204, 204));
    jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
    jLabel1.setText("CURRENCY CONVERTER");

    javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
    jPanel2.setLayout(jPanel2Layout);

```



```

jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(83, 83, 83)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 346,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel1, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, 56, Short.MAX_VALUE)
        );

jLabel3.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel3.setIcon(new javax.swing.ImageIcon("U:\\ProjectConverter\\currency.jpg")); // NOI18N

jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel4.setIcon(new javax.swing.ImageIcon("U:\\ProjectConverter\\currency.jpg")); // NOI18N

jLabel5.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel5.setIcon(new javax.swing.ImageIcon("U:\\ProjectConverter\\currency.jpg")); // NOI18N

jLabel6.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel6.setIcon(new javax.swing.ImageIcon("U:\\ProjectConverter\\currency.jpg")); // NOI18N

jLabel7.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel7.setIcon(new javax.swing.ImageIcon("U:\\ProjectConverter\\currency.jpg")); // NOI18N

jLabel8.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel8.setIcon(new javax.swing.ImageIcon("U:\\ProjectConverter\\currency.jpg")); // NOI18N

jLabel9.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel9.setIcon(new javax.swing.ImageIcon("U:\\ProjectConverter\\currency.jpg")); // NOI18N

jLabel10.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel10.setIcon(new javax.swing.ImageIcon("U:\\ProjectConverter\\currency.jpg")); // NOI18N

jLabel11.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel11.setIcon(new javax.swing.ImageIcon("U:\\ProjectConverter\\currency.jpg")); // NOI18N

jLabel12.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel12.setIcon(new javax.swing.ImageIcon("U:\\ProjectConverter\\currency.jpg")); // NOI18N

jLabel13.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel13.setIcon(new javax.swing.ImageIcon("U:\\ProjectConverter\\currency.jpg")); // NOI18N

jLabel14.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel14.setIcon(new javax.swing.ImageIcon("U:\\ProjectConverter\\currency.jpg")); // NOI18N

```

[illegible]

```

        .addComponent(jcmbConvert, javax.swing.GroupLayout.PREFERRED_SIZE, 216,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGroup(jPanel1Layout.createSequentialGroup())
        .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 103,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(jtxtconvert, javax.swing.GroupLayout.PREFERRED_SIZE, 111,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel13, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 75, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel12, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 75, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel11, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 75, javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(18, 18, 18)
        .addComponent(jButton4, javax.swing.GroupLayout.PREFERRED_SIZE, 290,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(18, 18, 18)
        .addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED_SIZE, 76,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED_SIZE, 75,
javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jLabel14, javax.swing.GroupLayout.PREFERRED_SIZE, 77,
javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED_SIZE, 76,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap(32, Short.MAX_VALUE))
);
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
        .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(6, 6, 6)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

```

```

        .addGroup(jPanel1Layout.createSequentialGroup())
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(139, 139, 139)
                .addComponent(jlblConvert, javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(24, 24, 24)

            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 47,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 47,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 47,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                .addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED_SIZE, 45,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jLabel11, javax.swing.GroupLayout.PREFERRED_SIZE, 48,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(1, 1, 1)
                .addComponent(jLabel12, javax.swing.GroupLayout.PREFERRED_SIZE, 48,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jLabel13, javax.swing.GroupLayout.PREFERRED_SIZE, 50,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jLabel14, javax.swing.GroupLayout.PREFERRED_SIZE, 52,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(7, 7, 7)))
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED_SIZE, 53,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jButton4, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 56, javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addComponent(jcmbConvert, javax.swing.GroupLayout.PREFERRED_SIZE, 38,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGap(18, 18, 18)

                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jtxtconvert, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addGroup(jPanel1Layout.createSequentialGroup())

```

```

        .addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED_SIZE, 50,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED_SIZE, 50,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 50,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 50,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 50,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED_SIZE, 50,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addContainerGap(23, Short.MAX_VALUE)
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );

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

```

```

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {

```

```

    allConverter obj = new allConverter();
    dispose();
    obj.setVisible(true);

```

```

}

```

```

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    System.exit(0);
}

```

```

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

```

```

jtxtconvert.setText(null);
jlblConvert.setText(null);
jcmbConvert.setSelectedIndex(0);
}

```

```

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

```

```

    double British_Pound = Double.parseDouble( jtxtconvert.getText());

```

```

    if (jcmbConvert.getSelectedItem().equals("Pakistan"))
    {
        String Converter= String.format("PAK RS %.2f",British_Pound*PAKISTAN_RUPEE);
        jlblConvert.setText(Converter);
    }

```

```

    if (jcmbConvert.getSelectedItem().equals("UAE"))
    {
        String Converter= String.format("UAE D %.2f",British_Pound*UAE_DIRHAM);
        jlblConvert.setText(Converter);
    }

```

```

    if (jcmbConvert.getSelectedItem().equals("US"))
    {
        String Converter= String.format("US $ %.2f",British_Pound*US_DOLLAR);
        jlblConvert.setText(Converter);
    }
}

```

```

private void jtxtconvertActionPerformed(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(currency.class.getName()).log(java.util.logging.Level.SEVERE, null,

```

```

ex);

```

```

    } catch (InstantiationException ex) {

```

```

        java.util.logging.Logger.getLogger(currency.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(currency.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(currency.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 currency().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.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.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JComboBox jcmbConvert;
private javax.swing.JLabel jlblConvert;
private javax.swing.JTextField jtxtconvert;
// End of variables declaration
}

```

BUTTON # 2 (TEMPERATURE):

```
public class tempertaure extends javax.swing.JFrame {

    /**
     * Creates new form tempertaure
     */
    public tempertaure() {
        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();
        jPanel1 = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();
        JComboBox1 = new javax.swing.JComboBox();
        jTextField1 = new javax.swing.JTextField();
        jTextField2 = new javax.swing.JTextField();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        jButton3 = new javax.swing.JButton();
        jButton4 = new javax.swing.JButton();
        jLabel3 = new javax.swing.JLabel();

        jLabel1.setText("jLabel1");

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setResizable(false);
        setType(java.awt.Window.Type.UTILITY);

        jPanel1.setBackground(new java.awt.Color(0, 0, 204));

        jLabel2.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
        jLabel2.setForeground(new java.awt.Color(255, 255, 255));
        jLabel2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
        jLabel2.setText("TEMPERATURE CONVERTER");

        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .add(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .add(jTextField1)
                        .add(jTextField2)
                        .add(jButton1)
                        .add(jButton2)
                        .add(jButton3)
                        .add(jButton4)
                    )
                    .addGap(63, 63, 63)
                )
        );
    }
}
```



```

        .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 332,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT_SIZE, 40, Short.MAX_VALUE)
            .addContainerGap())
    );

    jComboBox1.setModel(new javax.swing.DefaultComboBoxModel(new String[] { "Select an option",
"Celsius TO Fehrenhiet", "Celsius TO Kelvin", "Fehrenhiet TO Celsius", "Fehrenhiet TO Kelvin", "Kelvin TO
Celsius", "Kelvin TO Fehrenhiet" }));

    jTextField1.setHorizontalAlignment(javax.swing.JTextField.CENTER);
    jTextField1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jTextField1ActionPerformed(evt);
        }
    });

    jTextField2.setEditable(false);
    jTextField2.setHorizontalAlignment(javax.swing.JTextField.CENTER);
    jTextField2.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jTextField2ActionPerformed(evt);
        }
    });

    jButton1.setText("Reset");
    jButton1.setBorder(new javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.RAISED));
    jButton1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton1ActionPerformed(evt);
        }
    });

    jButton2.setText("Convert");
    jButton2.setBorder(new javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.RAISED));
    jButton2.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton2ActionPerformed(evt);
        }
    });

    jButton3.setText("Exit");
    jButton3.setBorder(new javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.RAISED));
    jButton3.addActionListener(new java.awt.event.ActionListener() {

```

```
public void actionPerformed(java.awt.event.ActionEvent evt) {
    jButton3ActionPerformed(evt);
}
});
```

```
jButton4.setText("Back");
jButton4.setBorder(new javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.RAISED));
jButton4.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton4ActionPerformed(evt);
    }
});
```

```
jLabel3.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel3.setIcon(new javax.swing.ImageIcon("U:\\ProjectConverter\\temp.png")); // NOI18N
```

```

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addGroup(layout.createSequentialGroup()
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(layout.createSequentialGroup()
                    .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 84,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(18, 18, 18)
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 84,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addGroup(layout.createSequentialGroup()
                            .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 78,
javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addGap(18, 18, 18)
                            .addComponent(jButton4, javax.swing.GroupLayout.PREFERRED_SIZE, 84,
javax.swing.GroupLayout.PREFERRED_SIZE))))
                    .addGroup(layout.createSequentialGroup()
                        .addGap(79, 79, 79)
                        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
                            .addComponent(jComboBox1, 0, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                            .addComponent(jTextField2, javax.swing.GroupLayout.DEFAULT_SIZE, 186,
Short.MAX_VALUE))))
                    .addGap(36, 36, 36)
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                        .addComponent(jButton5, javax.swing.GroupLayout.PREFERRED_SIZE, 84,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(jButton6, javax.swing.GroupLayout.PREFERRED_SIZE, 84,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()
            .addGap(0, 0, Short.MAX_VALUE))
    )
);

```

```

        .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE, 122,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(102, 102, 102)))
        .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 97,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(39, Short.MAX_VALUE))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup())
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
        .addGroup(layout.createSequentialGroup())
        .addGap(11, 11, 11)
        .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 267,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(layout.createSequentialGroup())
        .addGap(26, 26, 26)
        .addComponent(jComboBox1)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(13, 13, 13)
        .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jButton4, javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 41,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(18, 18, 18)
        .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap(25, Short.MAX_VALUE))
    );

    pack();
}

```

```

private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

```

```

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
    allConverter obj = new allConverter();
}

```

```

dispose();
obj.setVisible(true);
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    jTextField1.setText("");
    jTextField2.setText("");
    jComboBox1.setSelectedIndex(0);
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    System.exit(0);
}

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

    double FC=33.8;
    if (jComboBox1.getSelectedItem().equals("Celsius TO Fehrenhiet"))
    {
        double c = Double.parseDouble(jTextField1.getText());
        double f = c*FC;
        String value=String.format("%F %.2f", f);
        jTextField2.setText(value);
    }
    if (jComboBox1.getSelectedItem().equals("Celsius TO Kelvin"))
    {
        double c = Double.parseDouble(jTextField1.getText());
        double k = c + 273.15;
        String value=String.format("K %.2f", k);
        jTextField2.setText(value);
    }
    if (jComboBox1.getSelectedItem().equals("Fehrenhiet TO Celsius"))
    {
        double f = Double.parseDouble(jTextField1.getText());
        double c = (f-32)*0.55;
        String value=String.format("%C %.2f", c);
        jTextField2.setText(value);
    }
    if (jComboBox1.getSelectedItem().equals("Fehrenhiet TO Kelvin"))
    {
        double f = Double.parseDouble(jTextField1.getText());
        double k = (f-32)*0.55+273.15;
        String value=String.format("K %.2f", k);
        jTextField2.setText(value);
    }
    if (jComboBox1.getSelectedItem().equals("Kelvin TO Celsius"))
    {
        double k = Double.parseDouble(jTextField1.getText());
        double c = 0-273.15;
        String value=String.format("%C %.2f", c);
    }
}

```

```

        jTextField2.setText(value);
    }
    if (jComboBox1.getSelectedItem().equals("Kelvin TO Fehrenhiet"))
    {
        double k = Double.parseDouble(jTextField1.getText());
        double f = (0-273.5)*FC;
        String value=String.format("%F %.2f", f);
        jTextField2.setText(value);
    }

}

private void jTextField2ActionPerformed(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(tempertaure.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(tempertaure.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(tempertaure.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(tempertaure.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 tempertaure().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.JComboBox jComboBox1;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JTextField jTextField1;
    private javax.swing.JTextField jTextField2;
    // End of variables declaration
}

```

BUTTON # 3 (DISTANCE):

```

public class distance extends javax.swing.JFrame {

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

        jLabel3 = new javax.swing.JLabel();
        jPanel1 = new javax.swing.JPanel();
        jCDistance = new javax.swing.JComboBox();
        jLabel2 = new javax.swing.JLabel();
        jtxtEnter = new javax.swing.JTextField();
        lblConvert2 = new javax.swing.JLabel();
        btnConvert = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        btnExit = new javax.swing.JButton();
    }
}

```

```

jButton4 = new javax.swing.JButton();
jPanel2 = new javax.swing.JPanel();
jLabel1 = new javax.swing.JLabel();
jLabel4 = new javax.swing.JLabel();

jLabel3.setBackground(new java.awt.Color(255, 255, 255));
jLabel3.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel3.setIcon(new javax.swing.ImageIcon("U:\\ProjectConverter\\distance.jpg")); // NOI18N

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setLocation(new java.awt.Point(250, 150));
setResizable(false);
setType(java.awt.Window.Type.UTILITY);

jPanel1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));

jCDistance.setModel(new javax.swing.DefaultComboBoxModel(new String[] { "Select an option", "M TO
NM", "NM TO M", "M TO KM", "KM TO M" }));

jLabel2.setText("Enter a number:");

jtxtEnter.setHorizontalAlignment(javax.swing.JTextField.CENTER);
jtxtEnter.setText(" ");
jtxtEnter.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jtxtEnterActionPerformed(evt);
    }
});

jlblConvert2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jlblConvert2.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));

jbtnConvert.setText("Convert");
jbtnConvert.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.RAISED));
jbtnConvert.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jbtnConvertActionPerformed(evt);
    }
});

jButton2.setText("Reset");
jButton2.setBorder(new javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.RAISED));
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

jbtnExit.setText("Exit");

```

```

jbtnExit.setBorder(new javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.RAISED));
jbtnExit.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jbtnExitActionPerformed(evt);
    }
});

jButton4.setFont(new java.awt.Font("Times New Roman", 1, 24)); // NOI18N
jButton4.setText("BACK");
jButton4.setBorder(javax.swing.BorderFactory.createEtchedBorder());
jButton4.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton4ActionPerformed(evt);
    }
});

jPanel2.setBackground(new java.awt.Color(102, 0, 255));

jLabel1.setFont(new java.awt.Font("Times New Roman", 1, 24)); // NOI18N
jLabel1.setForeground(new java.awt.Color(255, 255, 51));
jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel1.setText("DISTANCE CONVERTER");

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(60, 60, 60)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 379,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(55, 55, 55)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 55,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );

jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel4.setIcon(new javax.swing.ImageIcon("U:\\ProjectConverter\\distance.jpg")); // NOI18N

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

```



```

        .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addGroup(jPanel1Layout.createSequentialGroup())
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup())
        .addGap(20, 20, 20)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jCDistance, javax.swing.GroupLayout.PREFERRED_SIZE, 241,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGroup(jPanel1Layout.createSequentialGroup())
        .addComponent(jbtnConvert, javax.swing.GroupLayout.PREFERRED_SIZE, 77,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 68,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(jbtnExit, javax.swing.GroupLayout.PREFERRED_SIZE, 71,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
        .addComponent(jlblConvert2, javax.swing.GroupLayout.PREFERRED_SIZE, 231,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGroup(jPanel1Layout.createSequentialGroup())
        .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 80,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(jtxtEnter, javax.swing.GroupLayout.PREFERRED_SIZE, 133,
javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addGap(18, 18, 18)
        .addComponent(jLabel4))
        .addGroup(jPanel1Layout.createSequentialGroup())
        .addGap(93, 93, 93)
        .addComponent(jButton4, javax.swing.GroupLayout.PREFERRED_SIZE, 293,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap(20, Short.MAX_VALUE))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup())
        .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(29, 29, 29)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup())
        .addComponent(jCDistance, javax.swing.GroupLayout.PREFERRED_SIZE, 38,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(23, 23, 23)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jtxtEnter, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jlblConvert2, javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(22, 22, 22)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jbtnConvert, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jbtnExit, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 202,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(jButton4, javax.swing.GroupLayout.PREFERRED_SIZE, 58,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(16, Short.MAX_VALUE)
    );

```

```

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );

```

```

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

```

```

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

```

```

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

    double NMM=1.15078;
    double MK=1.609344;
    if (jCDistance.getSelectedItem().equals("M TO NM"))
    {
        double distance1 = Double.parseDouble(jtxtEnter.getText());
        double distance2 = distance1/NMM;
        String value=String.format("NM %.2f", distance2);
    }
}

```

```

        jlblConvert2.setText(value);
    }
    else if (jCDistance.getSelectedItem().equals("NM TO M"))
    {
        double distance1 = Double.parseDouble(jtxtEnter.getText());
        double distance2 = distance1*MMM;
        String value=String.format("M %.2f", distance2);
        jlblConvert2.setText(value);
    }
    else if (jCDistance.getSelectedItem().equals("M TO KM"))
    {
        double distance1 = Double.parseDouble(jtxtEnter.getText());
        double distance2 = distance1*MK;
        String value=String.format("KM %.2f", distance2);
        jlblConvert2.setText(value);
    }
    else if (jCDistance.getSelectedItem().equals("KM TO M"))
    {
        double distance1 = Double.parseDouble(jtxtEnter.getText());
        double distance2 = distance1/MK;
        String value=String.format("M %.2f", distance2);
        jlblConvert2.setText(value);
    }
}

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

    jtxtEnter.setText(null);
    jlblConvert2.setText(null);
    jCDistance.setSelectedIndex(0);
}

private void jbtnExitActionPerformed(java.awt.event.ActionEvent evt) {
    System.exit(0);
}

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {

    allConverter obj = new allConverter();
    dispose();
    obj.setVisible(true);
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */

```

```

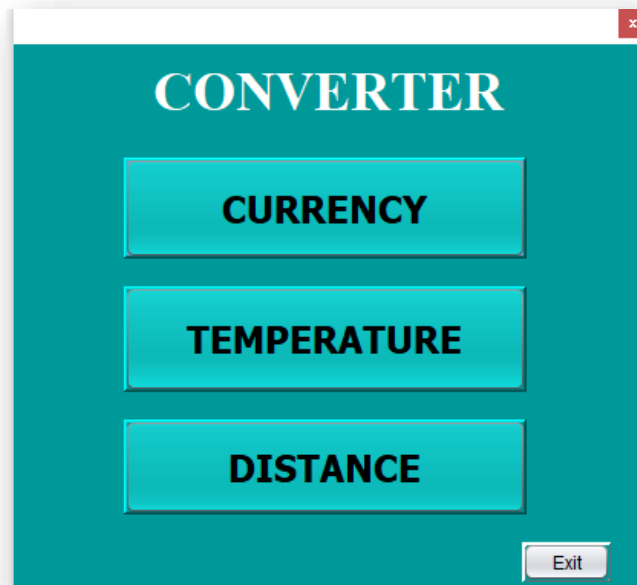
//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
/* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
 * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
 */
try {
    for (javax.swing.UIManager.LookAndFeelInfo 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(distance.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
} catch (InstantiationException ex) {
    java.util.logging.Logger.getLogger(distance.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
} catch (IllegalAccessException ex) {
    java.util.logging.Logger.getLogger(distance.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
} catch (javax.swing.UnsupportedLookAndFeelException ex) {
    java.util.logging.Logger.getLogger(distance.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 distance().setVisible(true);
    }
});
}

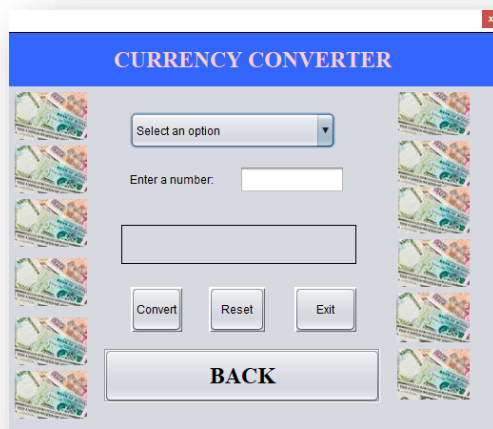
// Variables declaration - do not modify
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton4;
private javax.swing.JComboBox jCDistance;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JButton jbtnConvert;
private javax.swing.JButton jbtnExit;
private javax.swing.JLabel lblConvert2;
private javax.swing.JTextField txtEnter;
// End of variables declaration    }

```

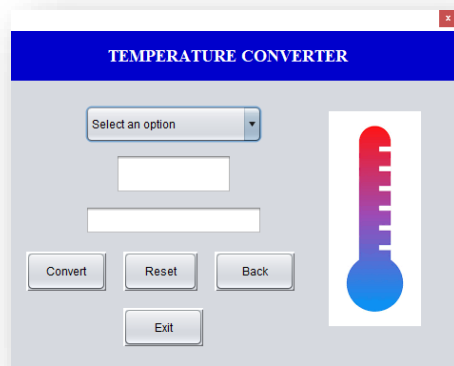
SCREEN SHOTS
MAIN DISPLAY:



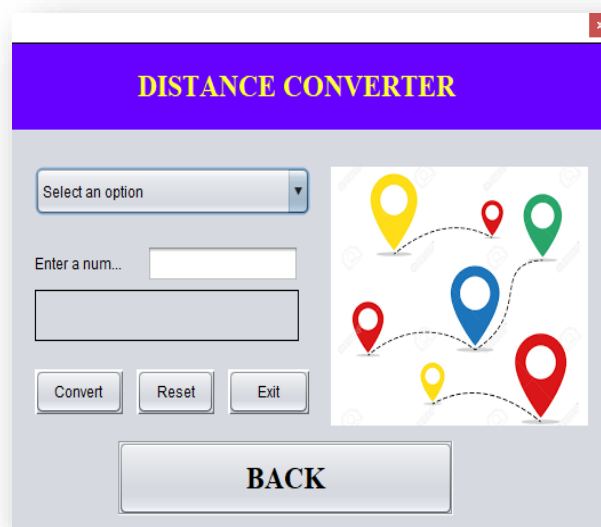
CURRENCY BUTTON DISPLAY:



TEMPERATURE BUTTON DISPLAY:



DISTANCE BUTTON DISPLAY:



GITHUB LINK:

<https://github.com/urooj19/new.git>