Temperature Converter

Stamford University Bangladesh

Project Report

Course Code: CSI-233

Course Title: Advance Programming Sessional

Submitted To

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ABSTRACT

In our daily life, we used temperature for different reasons. There are also different units to measure temperature. We need different units of temperature for different works.

A temperature converter is an application which is used to covert temperature in different units. A user can insert the current temperature and convert it as desired unit.

This document will discuss each of the underlying technologies to create and implement Temperature application.

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1.0 Introduction

A temperature Convert application is useful for various types of users. It helps to convert temperature in any unit. In various reason we need to convert temperature. Students, researchers and other people use temperature for mathematical purposes. In thermodynamics temperature is most common thing to use in every equation. So, converting temperature in different unit by hand is very time consuming and irritating.

In this project a user can convert temperature in any unit. It will help to save users time and do their work easily. It is easy to use and very user friendly. The application architecture is easy to handle and understandable. So, it will help the user to get the conversion of temperature.

2.0 OVERALL DESCRIPTION

Temperature converter application works dynamically. It has some features. It's a GUI based java application.

2.1 Main Features:

The main Features of the application are:

Input data:

A user can insert data that was value of temperature which user want to convert. It inserts into a text field.

Choose Method:

This method is to choose which unit to convert the inserted value of temperature.

Convert:

This field is to convert the value of temperature.

Result:

This field is to show the conversion of the given input value. Its shows the output unit of the temperature.

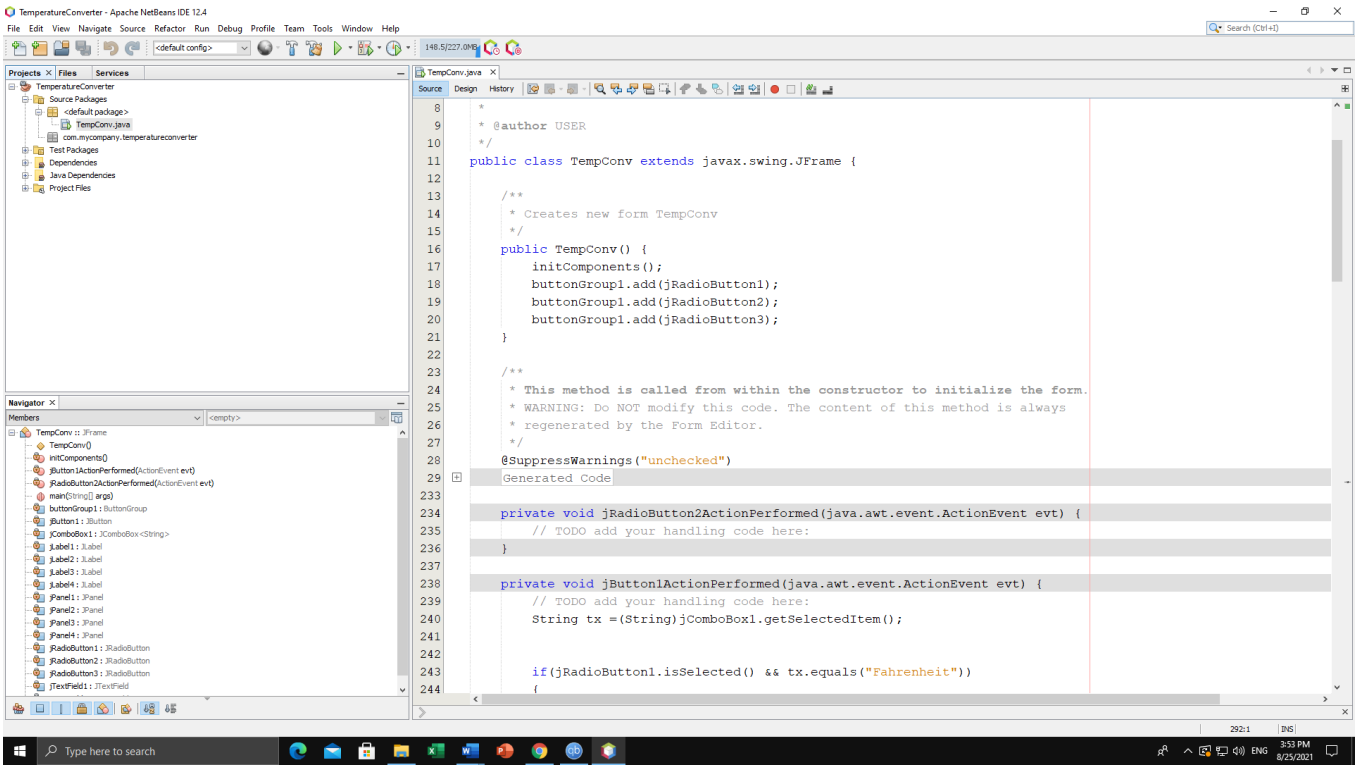
2.2 Advantages:

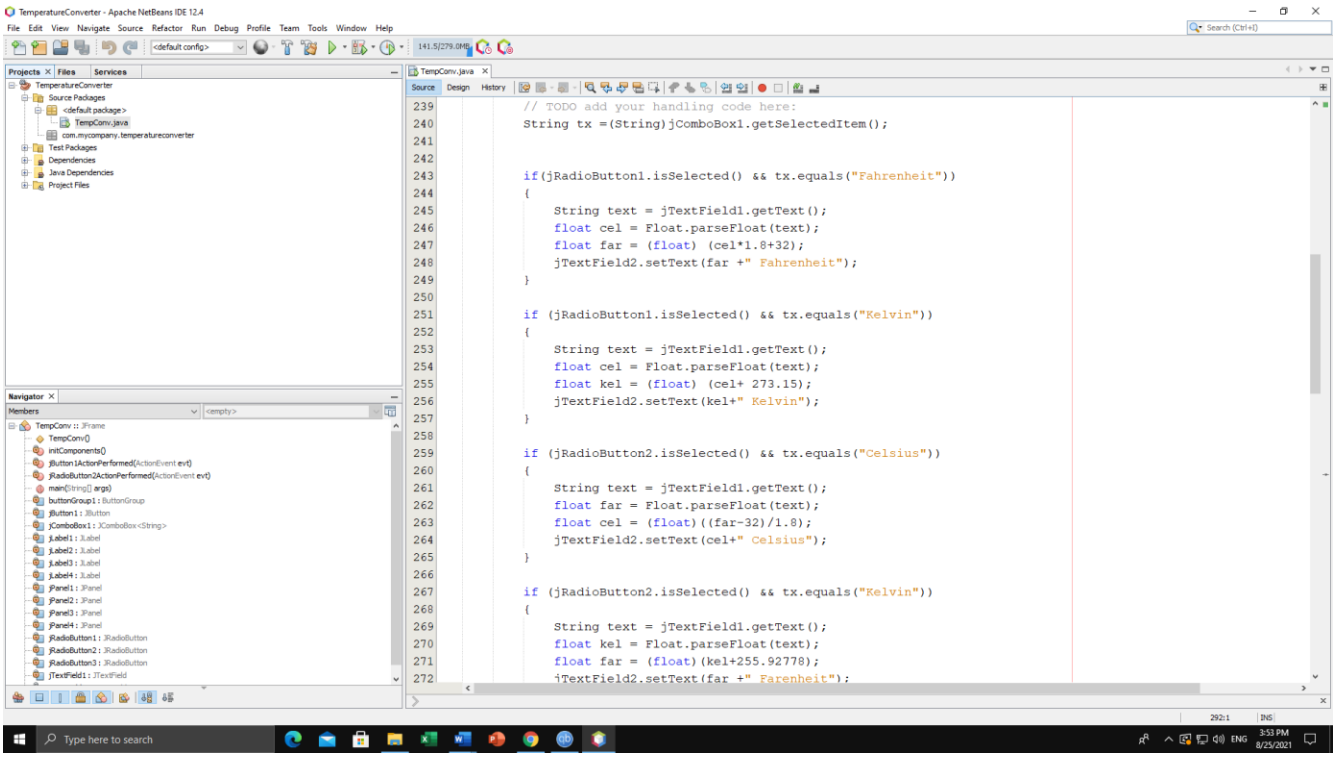
- User Friendly
- Easy to use and understandable
- Less Complexity
- Take less memory

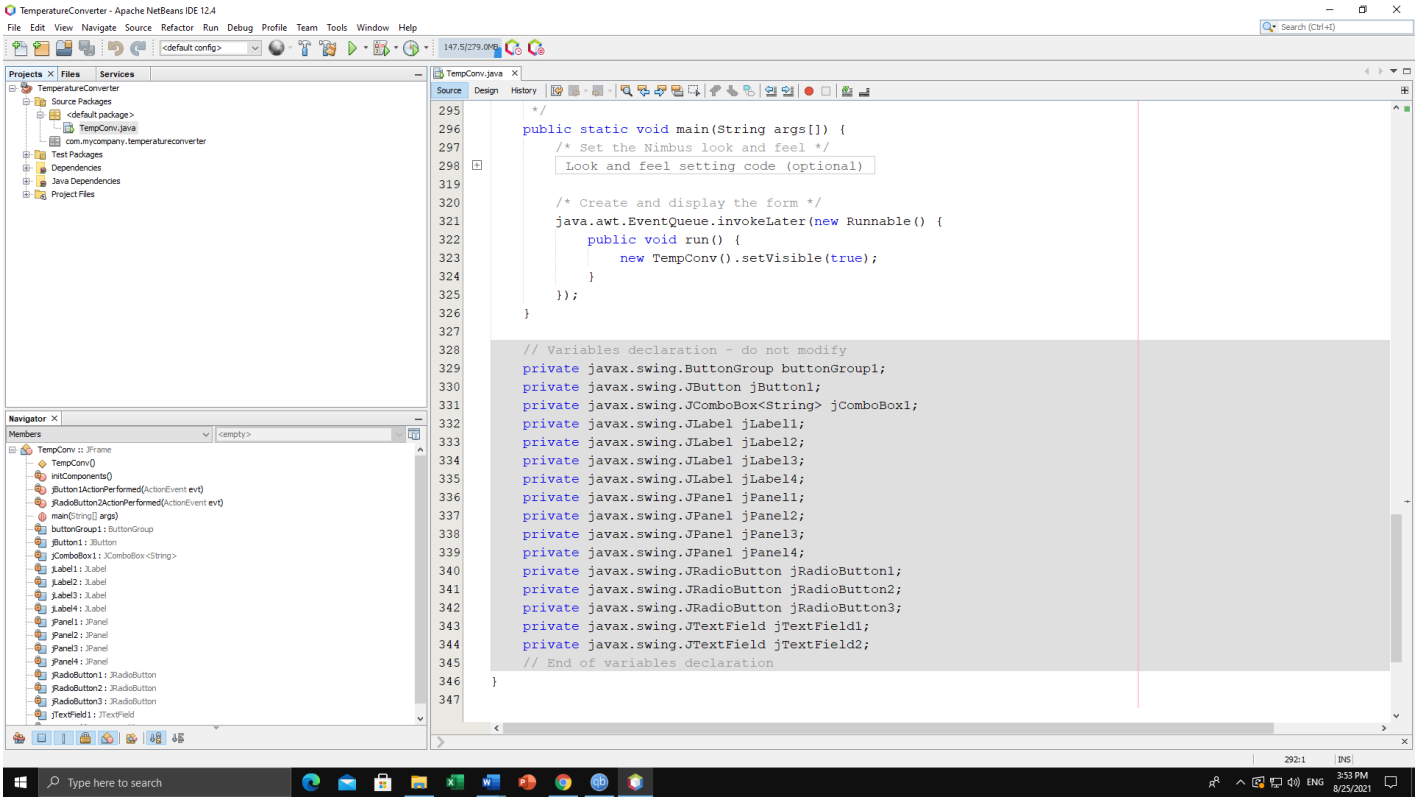
2.3 Disadvantages:

- Can convert only in Celsius, Fahrenheit and kelvin
- Cannot convert in Rankine

3.0 SNAPSHOT OF APPLICATION:






TemperatureConverter - Apache NetBeans IDE 12.4
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initComponents()
jButton1ActionPerformed(ActionEvent evt)
jRadioButton2ActionPerformed(ActionEvent evt)
main(String[] args)
buttonGroup1 : ButtonGroup
jButton1 : JButton
jComboBox1 : JComboBox<String>
jLabel1 : JLabel
jLabel2 : JLabel
jLabel3 : JLabel
jLabel4 : JLabel
jPanel1 : JPanel
jPanel2 : JPanel
jPanel3 : JPanel
jPanel4 : JPanel
jRadioButton1 : JRadioButton
jRadioButton2 : JRadioButton
jRadioButton3 : JRadioButton
jTextField1 : JTextField
TempConv.java
Source Design History
295 */
296 public static void main(String args[]) {
297 /* Set the Nimbus look and feel */
298 Look and feel setting code (optional)
319
320 /* Create and display the form */
321 java.awt.EventQueue.invokeLater(new Runnable() {
322 public void run() {
323 new TempConv().setVisible(true);
324 }
325 });
326 }
327
328 // Variables declaration - do not modify
329 private javax.swing.ButtonGroup buttonGroup1;
330 private javax.swing.JButton jButton1;
331 private javax.swing.JComboBox<String> jComboBox1;
332 private javax.swing.JLabel jLabel1;
333 private javax.swing.JLabel jLabel2;
334 private javax.swing.JLabel jLabel3;
335 private javax.swing.JLabel jLabel4;
336 private javax.swing.JPanel jPanel1;
337 private javax.swing.JPanel jPanel2;
338 private javax.swing.JPanel jPanel3;
339 private javax.swing.JPanel jPanel4;
340 private javax.swing.JRadioButton jRadioButton1;
341 private javax.swing.JRadioButton jRadioButton2;
342 private javax.swing.JRadioButton jRadioButton3;
343 private javax.swing.JTextField jTextField1;
344 private javax.swing.JTextField jTextField2;
345 // End of variables declaration
346 }
347
292:1 INS
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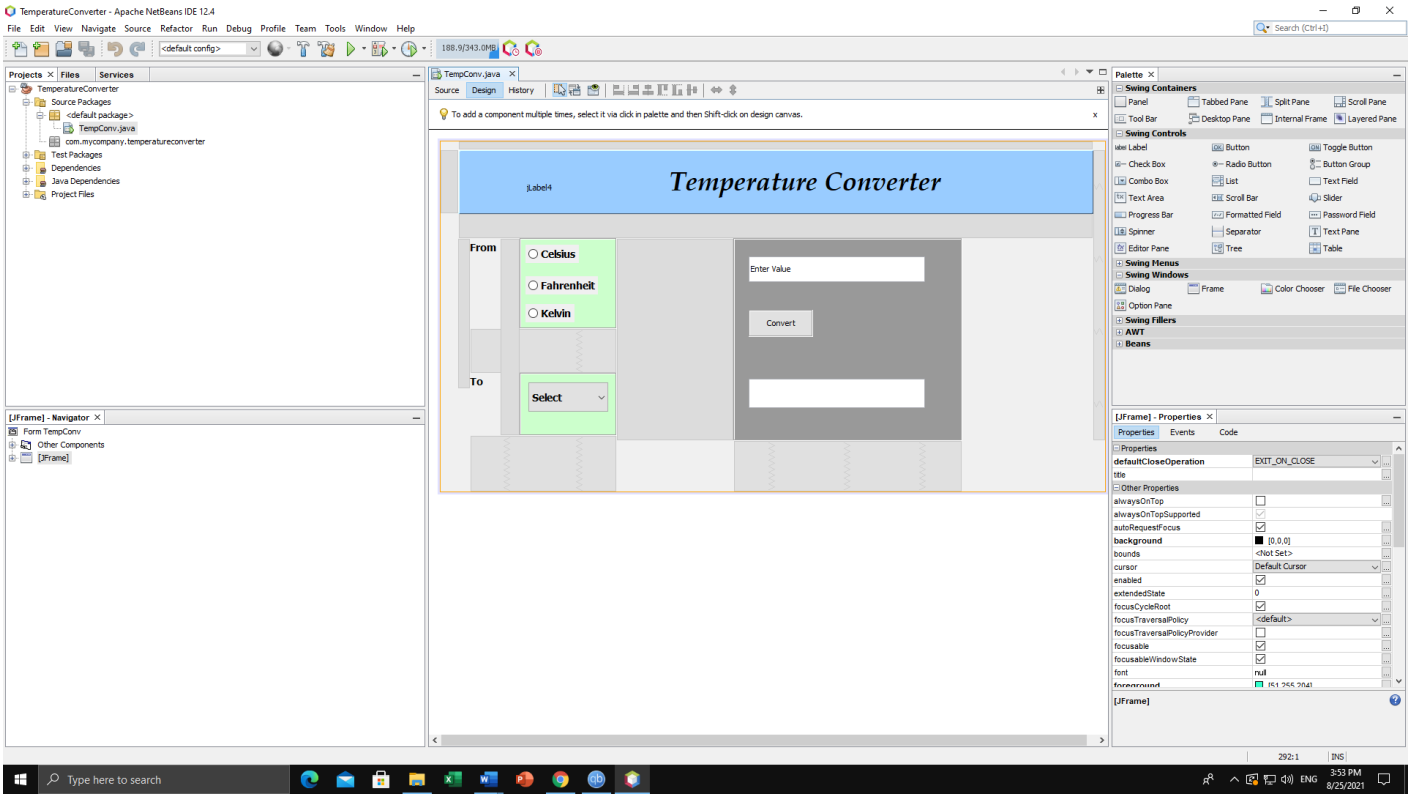
ENG 3:53 PM 8/25/2021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To add a component multiple times, select it via click in palette and then Shift-click on design canvas.
jLabel4
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Fahrenheit
Kelvin
To
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Enter Value
Convert
Palette
Swing Containers
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Tool Bar Desktop Pane Internal Frame Layered Pane
Swing Controls
Label Button Toggle Button
Check Box Radio Button Button Group
Combo Box List Text Field
Text Area Scroll Bar Slider
Progress Bar Formatted Field Password Field
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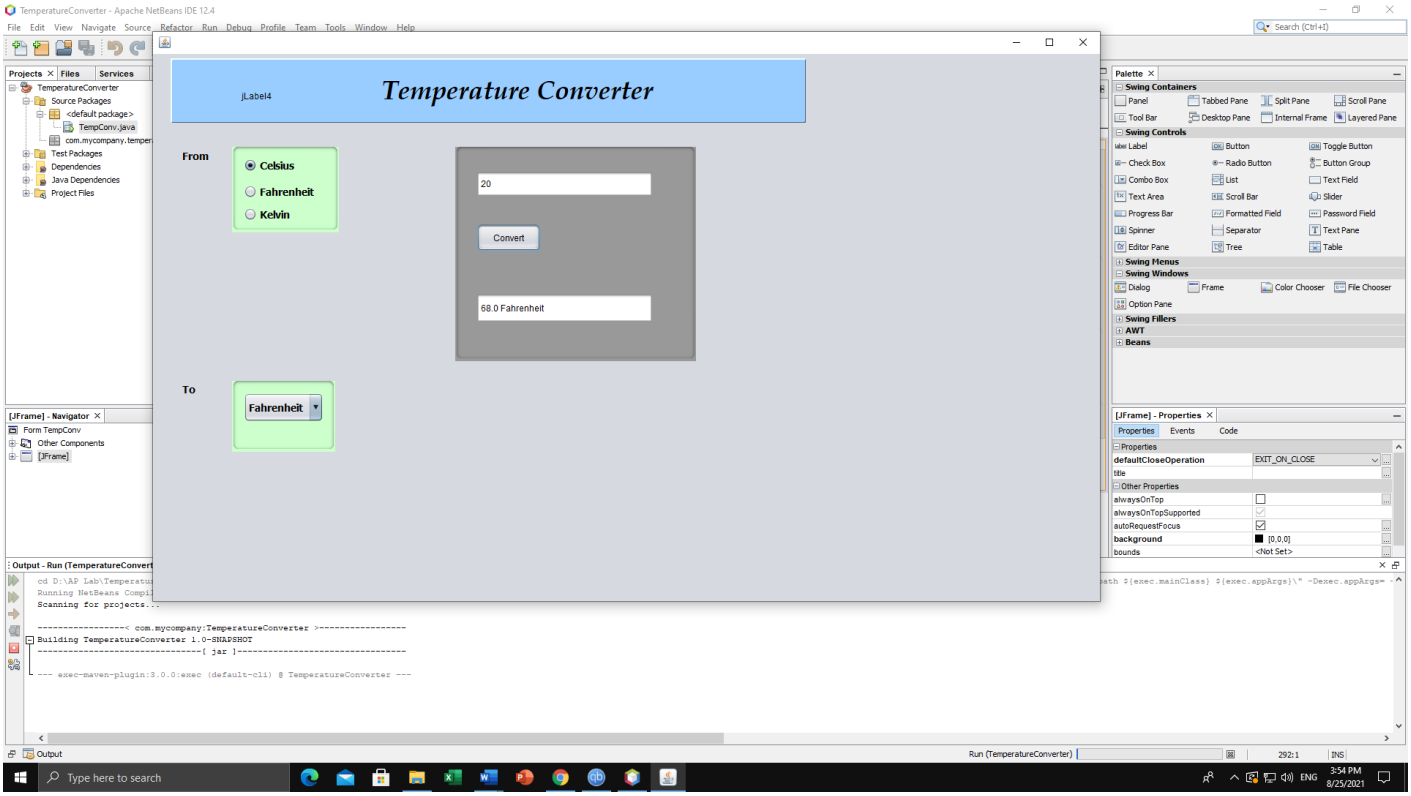
alwaysOnTopSupported
autoRequestFocus
background [0,0,0]
bounds <Not Set>
cursor Default Cursor
enabled
extendedState 0
focusCycleRoot
focusTraversalPolicy <default>
focusTraversalPolicyProvider
focusable
focusableWindowState
font null
[JFrame]
292:1 INS
Type here to search
ENG 3:53 PM 8/25/2021



4.0 INTRIGRATION OF OOP CONCEPT:

We have a main class tempconv() and in this class there are many variables that indicate various field of the application such that buttons, labels ,fields etc. We have also included try catch function to handle the exception.

For each variable we have implemented methods, constructors, parameters. We use Java sewing library that inherited by the main class. That's how we implemented OOP concept in our project.

5.0 PROJECT SOURCE CODE:

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

    /**
     * Creates new form TempConv
     */
    public TempConv() {
        initComponents();
        buttonGroup1.add(jRadioButton1);
        buttonGroup1.add(jRadioButton2);
        buttonGroup1.add(jRadioButton3);
    }

    /**
     * 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() {

    buttonGroup1 = new javax.swing.ButtonGroup();
    jPanel1 = new javax.swing.JPanel();
    jLabel3 = new javax.swing.JLabel();
    jLabel4 = new javax.swing.JLabel();
    jPanel2 = new javax.swing.JPanel();
    jRadioButton1 = new javax.swing.JRadioButton();
    jRadioButton2 = new javax.swing.JRadioButton();
    jRadioButton3 = new javax.swing.JRadioButton();
    jPanel3 = new javax.swing.JPanel();
    jComboBox1 = new javax.swing.JComboBox<>();
    jPanel4 = new javax.swing.JPanel();
    jTextField1 = new javax.swing.JTextField();
    jTextField2 = new javax.swing.JTextField();
    jButton1 = new javax.swing.JButton();
    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();


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

```
        setBackground(new java.awt.Color(0, 0, 0));
        setForeground(new java.awt.Color(51, 255, 204));

        jPanel1.setBackground(new java.awt.Color(153, 204, 255));
        jPanel1.setBorder(new
javax.swing.border.SoftBevelBorder(javax.swing.border.BevelBorder.RAISE
D));
        jPanel1.setForeground(new java.awt.Color(255, 51, 51));

        jLabel3.setFont(new java.awt.Font("Book Antiqua", 3, 36)); // NOI18N
        jLabel3.setText("Temperature Converter");

        jLabel4.setIcon(new    javax.swing.ImageIcon("D:\\download.png"));    //
NOI18N
        jLabel4.setText("jLabel4");

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

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
```

```
DING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
            .addGap(91, 91, 91)
            .addComponent(jLabel4,
javax.swing.GroupLayout.PREFERRED_SIZE,                    177,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addComponent(jLabel3,
javax.swing.GroupLayout.PREFERRED_SIZE,                    432,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(144, Short.MAX_VALUE))
    );
    jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.BASELINE)
            .addComponent(jLabel4,   javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
```

```
            .addComponent(jLabel3,
javax.swing.GroupLayout.PREFERRED_SIZE,                                    82,
javax.swing.GroupLayout.PREFERRED_SIZE))
        );

        jPanel2.setBackground(new java.awt.Color(204, 255, 204));
        jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder(null,
"",                javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION,                    new
java.awt.Font("Tahoma", 0, 11), new java.awt.Color(0, 255, 51))); // NOI18N

        jRadioButton1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jRadioButton1.setText("Celsius");

        jRadioButton2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jRadioButton2.setText("Fahrenheit");
        jRadioButton2.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jRadioButton2ActionPerformed(evt);
            }
        });
```

```
        jRadioButton3.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jRadioButton3.setText("Kelvin");

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

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addContainerGap()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)
                    .addComponent(jRadioButton1)
                    .addComponent(jRadioButton2)
                    .addComponent(jRadioButton3))
                .addContainerGap(24, Short.MAX_VALUE))
        );
        jPanel2Layout.setVerticalGroup(
```

```
jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jRadioButton1)
                .addGap(18, 18, 18)
                .addComponent(jRadioButton2)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 13, Short.MAX_VALUE)
                .addComponent(jRadioButton3)
                .addContainerGap())
        );

        jPanel3.setBackground(new java.awt.Color(204, 255, 204));
        jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "", javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Tahoma", 0, 11), new java.awt.Color(102, 255, 153))); // NOI18N

        jComboBox1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
```

```
        jComboBox1.setModel(new
javax.swing.DefaultComboBoxModel<>(new String[] { "Select", "Celsius",
"Fahrenheit", "Kelvin" }));

        javax.swing.GroupLayout jPanel3Layout = new
javax.swing.GroupLayout(jPanel3);
        jPanel3.setLayout(jPanel3Layout);
        jPanel3Layout.setHorizontalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
            .addGroup(jPanel3Layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jComboBox1, 0, 109, Short.MAX_VALUE)
                .addContainerGap())
        );
        jPanel3Layout.setVerticalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
            .addGroup(jPanel3Layout.createSequentialGroup()
                .addContainerGap()
```

```
            .addComponent(jComboBox1,
javax.swing.GroupLayout.PREFERRED_SIZE,                    40,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(31, Short.MAX_VALUE))
        );

        jPanel4.setBackground(new java.awt.Color(153, 153, 153));
        jPanel4.setBorder(javax.swing.BorderFactory.createTitledBorder(null,
"",                javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION,                new
java.awt.Font("Tahoma", 0, 11), new java.awt.Color(51, 255, 51))); //
NOI18N

        jTextField1.setText("Enter Value");

        jButton1.setText("Convert");
        jButton1.setBorder(javax.swing.BorderFactory.createTitledBorder(""));
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });
```

```
        javax.swing.GroupLayout jPanel4Layout = new
javax.swing.GroupLayout(jPanel4);
        jPanel4.setLayout(jPanel4Layout);
        jPanel4Layout.setHorizontalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
            .addGroup(jPanel4Layout.createSequentialGroup()
              .addGap(19, 19, 19)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING, false)
                    .addComponent(jTextField1,
javax.swing.GroupLayout.DEFAULT_SIZE, 241, Short.MAX_VALUE)
                    .addComponent(jTextField2))
                .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE,                    88,
javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
            .addContainerGap(49, Short.MAX_VALUE))
        );
        jPanel4Layout.setVerticalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel4Layout.createSequentialGroup()
                .addGap(23, 23, 23)
                .addComponent(jTextField1,
javax.swing.GroupLayout.PREFERRED_SIZE,                                35,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(38, 38, 38)
                .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE,                                37,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
57, Short.MAX_VALUE)
                .addComponent(jTextField2,
javax.swing.GroupLayout.PREFERRED_SIZE,                                40,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(43, 43, 43))
```

```
        );

        jLabel1.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jLabel1.setText("From");

        jLabel2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
        jLabel2.setText("To");

        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(24, 24, 24)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
                    .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
```

```
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGroup(layout.createSequentialGroup()
                    .addGap(16, 16, 16)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
                        .addComponent(jLabel2,
javax.swing.GroupLayout.PREFERRED_SIZE,                                 34,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(jLabel1,
javax.swing.GroupLayout.PREFERRED_SIZE,                                 42,
javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGap(26, 26, 26)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
                        .addComponent(jPanel3,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(jPanel2,
javax.swing.GroupLayout.PREFERRED_SIZE,
```

```
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGap(159, 159, 159)
                .addComponent(jPanel4,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addContainerGap(16, Short.MAX_VALUE))
        );
        layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jPanel1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(33, 33, 33)

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

```
                .addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)
                    .addComponent(jPanel2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel1,
javax.swing.GroupLayout.PREFERRED_SIZE,                    25,
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)
                    .addComponent(jPanel3,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel2,
```

```
javax.swing.GroupLayout.PREFERRED_SIZE,                    22,
javax.swing.GroupLayout.PREFERRED_SIZE))
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel4,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap(69, Short.MAX_VALUE))))
        );

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

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

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
```

```
String tx =(String)jComboBox1.getSelectedItem();



if(jRadioButton1.isSelected() && tx.equals("Fahrenheit"))
{
   String text = jTextField1.getText();
   float cel = Float.parseFloat(text);
   float far = (float) (cel*1.8+32);
   jTextField2.setText(far +" Fahrenheit");
}

if (jRadioButton1.isSelected() && tx.equals("Kelvin"))
{
   String text = jTextField1.getText();
   float cel = Float.parseFloat(text);
   float kel = (float) (cel+ 273.15);
   jTextField2.setText(kel+" Kelvin");
}

if (jRadioButton2.isSelected() && tx.equals("Celsius"))
{
   String text = jTextField1.getText();
```

```
    float far = Float.parseFloat(text);
    float cel = (float)((far-32)/1.8);
    jTextField2.setText(cel+" Celsius");
}

if (jRadioButton2.isSelected() && tx.equals("Kelvin"))
{
    String text = jTextField1.getText();
    float kel = Float.parseFloat(text);
    float far = (float)(kel+255.92778);
    jTextField2.setText(far +" Farenheit");
}

if (jRadioButton3.isSelected() && tx.equals("Celsius"))
{
    String text = jTextField1.getText();
    float cel = Float.parseFloat(text);
    float kel = (float)(cel-272.15);
    jTextField2.setText(kel +" celcius");
}

if (jRadioButton3.isSelected() && tx.equals("Fahrenheit"))
```

```
    {
        String text = jTextField1.getText();
        float far = Float.parseFloat(text);
        float kel = (float)(far-457.87);
        jTextField2.setText(kel +" Farhenheit");
    }

}

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

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

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

java.util.logging.Logger.getLogger(TempConv.class.getName()).log(java.util.l
ogging.Level.SEVERE, null, ex);
    }
    //</editor-fold>
```

```
    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new TempConv().setVisible(true);
        }
    });
}

// Variables declaration - do not modify
private javax.swing.ButtonGroup buttonGroup1;
private javax.swing.JButton jButton1;
private javax.swing.JComboBox<String> jComboBox1;
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.JPanel jPanel3;
private javax.swing.JPanel jPanel4;
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;
    // End of variables declaration
}
```

6.0 CONCLUTION:

In this report we discuss the implementations of various field in our project and also shows different perspectives.

6.1 Limitation's and Future work

- Fix bugs in the source code
- Add new features
- Can convert in Rankine
- Eye catching user interface