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**Green University of Bangladesh**

**Department of Computer Science and Engineering (CSE)**

**Faculty of Sciences and Engineering**

**Semester: (Spring, Year:2023), B.Sc. in CSE (Day)**

**LAB REPORT NO #05**

**Course Title: Object Oriented Programming Lab**

**Course Code: CSE 202 Section: 221-D2**

**Lab Experiment Name: Currency Conversion using Java Swing: A Practical Introduction.**

**Student Details**

| **Name** | | **ID** |
| --- | --- | --- |
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| **3.** |  |  |

**Lab Date : 02/05/2023**

**Submission Date : 11/05/2023**

**Course Teacher’s Name : Jargis Ahmed**

**[For Teachers use only: Don’t Write Anything inside this box]**

| **Lab Report Status**  **Marks: ………………………………… Signature:.....................**  **Comments:.............................................. Date:..............................** |
| --- |

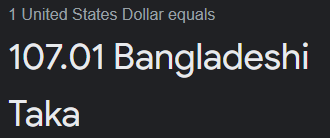
**TITLE OF THE LAB EXPERIMENT:**

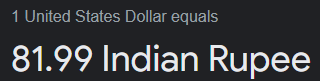
Currency Conversion using Java Swing: A Practical Introduction.

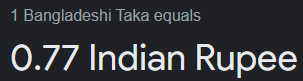
**OBJECTIVES/AIM**

1. To understand the concept of Java Swing and its use in developing graphical user interfaces (GUIs).
2. To gain practical experience in developing a currency conversion application using Java Swing components such as JFrame, JLabel, JTextField, JComboBox, and JButton.
3. To familiarize myself with the basic principles of Java swing through the implementation of the currency conversion application.

**PROCEDURE / ANALYSIS / DESIGN**

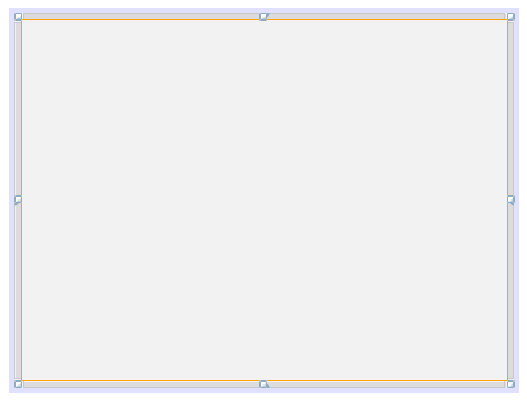






In these screenshots, I gave the 3 currency conversion rates. And I am going to implement those 3 currency conversions in my Java Swing program for practice and a better understanding of how Java Swing works. It is my basic and simple idea to practice Java Swing.

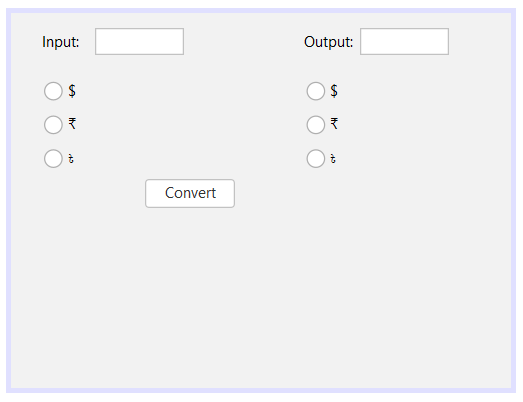
**IMPLEMENTATION**



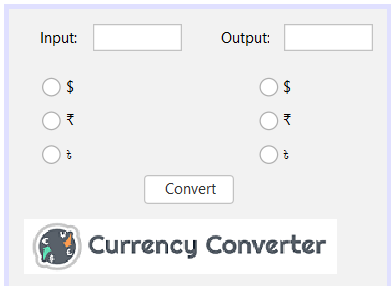
At first, I take a panel and resize it.



Add two levels and two text areas.



Add 3 radio buttons and 2 button groups then add the first 3 buttons in the first group and the rest in the second group. At last, add a Button.



Add a picture to a label.

Now Implementing the code:

*/\**

*\* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license*

*\* Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template*

*\*/*

**package** com.mycompany.mavenproject2;

**import** java.awt.event.KeyEvent;

***/\*\****

***\****

***\* @author Tanvir Ahmed***

***\*/***

**public** **class** Currency\_Converter **extends** javax.swing.JFrame {

***/\*\****

***\* Creates new form Currency\_Converter***

***\*/***

**public** Currency\_Converter() {

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() {

buttonGroup1 = **new** javax.swing.ButtonGroup();

buttonGroup2 = **new** javax.swing.ButtonGroup();

jPanel1 = **new** javax.swing.JPanel();

jLabel1 = **new** javax.swing.JLabel();

jTextField1 = **new** javax.swing.JTextField();

jLabel2 = **new** javax.swing.JLabel();

jTextField2 = **new** javax.swing.JTextField();

jRadioButton1 = **new** javax.swing.JRadioButton();

jRadioButton2 = **new** javax.swing.JRadioButton();

jRadioButton3 = **new** javax.swing.JRadioButton();

jRadioButton4 = **new** javax.swing.JRadioButton();

jRadioButton5 = **new** javax.swing.JRadioButton();

jRadioButton6 = **new** javax.swing.JRadioButton();

jButton1 = **new** javax.swing.JButton();

jLabel3 = **new** javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jLabel1.setText("Input:");

jTextField1.addActionListener(**new** java.awt.event.ActionListener() {

**public** **void** actionPerformed(java.awt.event.ActionEvent evt) {

jTextField1ActionPerformed(evt);

}

});

jTextField1.addKeyListener(**new** java.awt.event.KeyAdapter() {

**public** **void** keyPressed(java.awt.event.KeyEvent evt) {

jTextField1KeyPressed(evt);

}

});

jLabel2.setText("Output:");

buttonGroup1.add(jRadioButton1);

jRadioButton1.setText("$");

jRadioButton1.addKeyListener(**new** java.awt.event.KeyAdapter() {

**public** **void** keyPressed(java.awt.event.KeyEvent evt) {

jRadioButton1KeyPressed(evt);

}

});

buttonGroup1.add(jRadioButton2);

jRadioButton2.setText("₹");

jRadioButton2.addKeyListener(**new** java.awt.event.KeyAdapter() {

**public** **void** keyPressed(java.awt.event.KeyEvent evt) {

jRadioButton2KeyPressed(evt);

}

});

buttonGroup1.add(jRadioButton3);

jRadioButton3.setText("৳");

jRadioButton3.addKeyListener(**new** java.awt.event.KeyAdapter() {

**public** **void** keyPressed(java.awt.event.KeyEvent evt) {

jRadioButton3KeyPressed(evt);

}

});

buttonGroup2.add(jRadioButton4);

jRadioButton4.setText("$");

jRadioButton4.addKeyListener(**new** java.awt.event.KeyAdapter() {

**public** **void** keyPressed(java.awt.event.KeyEvent evt) {

jRadioButton4KeyPressed(evt);

}

});

buttonGroup2.add(jRadioButton5);

jRadioButton5.setText("₹");

jRadioButton5.addKeyListener(**new** java.awt.event.KeyAdapter() {

**public** **void** keyPressed(java.awt.event.KeyEvent evt) {

jRadioButton5KeyPressed(evt);

}

});

buttonGroup2.add(jRadioButton6);

jRadioButton6.setText("৳");

jRadioButton6.addKeyListener(**new** java.awt.event.KeyAdapter() {

**public** **void** keyPressed(java.awt.event.KeyEvent evt) {

jRadioButton6KeyPressed(evt);

}

});

jButton1.setForeground(**new** java.awt.Color(51, 51, 51));

jButton1.setText("Convert");

jButton1.setCursor(**new** java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jButton1.addActionListener(**new** java.awt.event.ActionListener() {

**public** **void** actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

jButton1.addKeyListener(**new** java.awt.event.KeyAdapter() {

**public** **void** keyPressed(java.awt.event.KeyEvent evt) {

jButton1KeyPressed(evt);

}

});

javax.swing.GroupLayout jPanel1Layout = **new** javax.swing.GroupLayout(jPanel1);

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 37, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED\_SIZE, 71, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(jRadioButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 98, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jRadioButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 98, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jRadioButton3, javax.swing.GroupLayout.PREFERRED\_SIZE, 98, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(60, 60, 60)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jRadioButton6, javax.swing.GroupLayout.PREFERRED\_SIZE, 98, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jRadioButton5, javax.swing.GroupLayout.PREFERRED\_SIZE, 98, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jRadioButton4, javax.swing.GroupLayout.PREFERRED\_SIZE, 98, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(31, 31, 31)

.addComponent(jLabel2)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED\_SIZE, 71, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(102, 102, 102)

.addComponent(jButton1)))

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel1)

.addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel2)

.addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jRadioButton1)

.addComponent(jRadioButton4))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jRadioButton2)

.addComponent(jRadioButton5))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jRadioButton3)

.addComponent(jRadioButton6))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jButton1)

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

jLabel3.setIcon(**new** javax.swing.ImageIcon("C:**\\**Users**\\**Tanvir Ahmed**\\**Downloads**\\**1.png")); *// NOI18N*

javax.swing.GroupLayout layout = **new** javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGroup(layout.createSequentialGroup()

.addGap(25, 25, 25)

.addComponent(jLabel3)

.addGap(0, 0, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

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

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jLabel3)

.addGap(18, 18, 18))

);

pack();

}*// </editor-fold>*

**private** **void** jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {

*// TODO add your handling code here:*

}

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

**double** in = Double.parseDouble(jTextField1.getText());

**if**(jRadioButton1.isSelected() && jRadioButton5.isSelected())

{

**double** out = in \* 81.99;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton1.isSelected() && jRadioButton6.isSelected())

{

**double** out = in \* 107.01;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton2.isSelected() && jRadioButton4.isSelected())

{

**double** out = in / 81.99;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton2.isSelected() && jRadioButton6.isSelected())

{

**double** out = in / 0.77;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton3.isSelected() && jRadioButton1.isSelected())

{

**double** out = in / 107.01;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton3.isSelected() && jRadioButton5.isSelected())

{

**double** out = in \* 0.77;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton1.isSelected() && jRadioButton4.isSelected())

{

String x = "" + in;

jTextField2.setText(x);

}

**if**(jRadioButton2.isSelected() && jRadioButton5.isSelected())

{

String x = "" + in;

jTextField2.setText(x);

}

**if**(jRadioButton3.isSelected() && jRadioButton6.isSelected())

{

String x = "" + in;

jTextField2.setText(x);

}

}

**private** **void** jButton1KeyPressed(java.awt.event.KeyEvent evt) {

}

**private** **void** jTextField1KeyPressed(java.awt.event.KeyEvent evt) {

*// TODO add your handling code here:*

**if**(evt.getKeyCode()== KeyEvent.VK\_ENTER){

**double** in = Double.parseDouble(jTextField1.getText());

**if**(jRadioButton1.isSelected() && jRadioButton5.isSelected())

{

**double** out = in \* 81.99;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton1.isSelected() && jRadioButton6.isSelected())

{

**double** out = in \* 107.01;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton2.isSelected() && jRadioButton4.isSelected())

{

**double** out = in / 81.99;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton2.isSelected() && jRadioButton6.isSelected())

{

**double** out = in / 0.77;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton3.isSelected() && jRadioButton1.isSelected())

{

**double** out = in / 107.01;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton3.isSelected() && jRadioButton5.isSelected())

{

**double** out = in \* 0.77;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton1.isSelected() && jRadioButton4.isSelected())

{

String x = "" + in;

jTextField2.setText(x);

}

**if**(jRadioButton2.isSelected() && jRadioButton5.isSelected())

{

String x = "" + in;

jTextField2.setText(x);

}

**if**(jRadioButton3.isSelected() && jRadioButton6.isSelected())

{

String x = "" + in;

jTextField2.setText(x);

}

}

}

**private** **void** jRadioButton1KeyPressed(java.awt.event.KeyEvent evt) {

*// TODO add your handling code here:*

**if**(evt.getKeyCode()== KeyEvent.VK\_ENTER){

**double** in = Double.parseDouble(jTextField1.getText());

**if**(jRadioButton1.isSelected() && jRadioButton5.isSelected())

{

**double** out = in \* 81.99;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton1.isSelected() && jRadioButton6.isSelected())

{

**double** out = in \* 107.01;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton2.isSelected() && jRadioButton4.isSelected())

{

**double** out = in / 81.99;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton2.isSelected() && jRadioButton6.isSelected())

{

**double** out = in / 0.77;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton3.isSelected() && jRadioButton1.isSelected())

{

**double** out = in / 107.01;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton3.isSelected() && jRadioButton5.isSelected())

{

**double** out = in \* 0.77;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton1.isSelected() && jRadioButton4.isSelected())

{

String x = "" + in;

jTextField2.setText(x);

}

**if**(jRadioButton2.isSelected() && jRadioButton5.isSelected())

{

String x = "" + in;

jTextField2.setText(x);

}

**if**(jRadioButton3.isSelected() && jRadioButton6.isSelected())

{

String x = "" + in;

jTextField2.setText(x);

}

}

}

**private** **void** jRadioButton2KeyPressed(java.awt.event.KeyEvent evt) {

*// TODO add your handling code here:*

**if**(evt.getKeyCode()== KeyEvent.VK\_ENTER){

**double** in = Double.parseDouble(jTextField1.getText());

**if**(jRadioButton1.isSelected() && jRadioButton5.isSelected())

{

**double** out = in \* 81.99;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton1.isSelected() && jRadioButton6.isSelected())

{

**double** out = in \* 107.01;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton2.isSelected() && jRadioButton4.isSelected())

{

**double** out = in / 81.99;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton2.isSelected() && jRadioButton6.isSelected())

{

**double** out = in / 0.77;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton3.isSelected() && jRadioButton1.isSelected())

{

**double** out = in / 107.01;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton3.isSelected() && jRadioButton5.isSelected())

{

**double** out = in \* 0.77;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton1.isSelected() && jRadioButton4.isSelected())

{

String x = "" + in;

jTextField2.setText(x);

}

**if**(jRadioButton2.isSelected() && jRadioButton5.isSelected())

{

String x = "" + in;

jTextField2.setText(x);

}

**if**(jRadioButton3.isSelected() && jRadioButton6.isSelected())

{

String x = "" + in;

jTextField2.setText(x);

}

}

}

**private** **void** jRadioButton3KeyPressed(java.awt.event.KeyEvent evt) {

*// TODO add your handling code here:*

**if**(evt.getKeyCode()== KeyEvent.VK\_ENTER){

**double** in = Double.parseDouble(jTextField1.getText());

**if**(jRadioButton1.isSelected() && jRadioButton5.isSelected())

{

**double** out = in \* 81.99;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton1.isSelected() && jRadioButton6.isSelected())

{

**double** out = in \* 107.01;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton2.isSelected() && jRadioButton4.isSelected())

{

**double** out = in / 81.99;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton2.isSelected() && jRadioButton6.isSelected())

{

**double** out = in / 0.77;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton3.isSelected() && jRadioButton1.isSelected())

{

**double** out = in / 107.01;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton3.isSelected() && jRadioButton5.isSelected())

{

**double** out = in \* 0.77;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton1.isSelected() && jRadioButton4.isSelected())

{

String x = "" + in;

jTextField2.setText(x);

}

**if**(jRadioButton2.isSelected() && jRadioButton5.isSelected())

{

String x = "" + in;

jTextField2.setText(x);

}

**if**(jRadioButton3.isSelected() && jRadioButton6.isSelected())

{

String x = "" + in;

jTextField2.setText(x);

}

}

}

**private** **void** jRadioButton4KeyPressed(java.awt.event.KeyEvent evt) {

*// TODO add your handling code here:*

**if**(evt.getKeyCode()== KeyEvent.VK\_ENTER){

**double** in = Double.parseDouble(jTextField1.getText());

**if**(jRadioButton1.isSelected() && jRadioButton5.isSelected())

{

**double** out = in \* 81.99;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton1.isSelected() && jRadioButton6.isSelected())

{

**double** out = in \* 107.01;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton2.isSelected() && jRadioButton4.isSelected())

{

**double** out = in / 81.99;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton2.isSelected() && jRadioButton6.isSelected())

{

**double** out = in / 0.77;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton3.isSelected() && jRadioButton1.isSelected())

{

**double** out = in / 107.01;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton3.isSelected() && jRadioButton5.isSelected())

{

**double** out = in \* 0.77;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton1.isSelected() && jRadioButton4.isSelected())

{

String x = "" + in;

jTextField2.setText(x);

}

**if**(jRadioButton2.isSelected() && jRadioButton5.isSelected())

{

String x = "" + in;

jTextField2.setText(x);

}

**if**(jRadioButton3.isSelected() && jRadioButton6.isSelected())

{

String x = "" + in;

jTextField2.setText(x);

}

}

}

**private** **void** jRadioButton5KeyPressed(java.awt.event.KeyEvent evt) {

*// TODO add your handling code here:*

**if**(evt.getKeyCode()== KeyEvent.VK\_ENTER){

**double** in = Double.parseDouble(jTextField1.getText());

**if**(jRadioButton1.isSelected() && jRadioButton5.isSelected())

{

**double** out = in \* 81.99;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton1.isSelected() && jRadioButton6.isSelected())

{

**double** out = in \* 107.01;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton2.isSelected() && jRadioButton4.isSelected())

{

**double** out = in / 81.99;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton2.isSelected() && jRadioButton6.isSelected())

{

**double** out = in / 0.77;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton3.isSelected() && jRadioButton1.isSelected())

{

**double** out = in / 107.01;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton3.isSelected() && jRadioButton5.isSelected())

{

**double** out = in \* 0.77;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton1.isSelected() && jRadioButton4.isSelected())

{

String x = "" + in;

jTextField2.setText(x);

}

**if**(jRadioButton2.isSelected() && jRadioButton5.isSelected())

{

String x = "" + in;

jTextField2.setText(x);

}

**if**(jRadioButton3.isSelected() && jRadioButton6.isSelected())

{

String x = "" + in;

jTextField2.setText(x);

}

}

}

**private** **void** jRadioButton6KeyPressed(java.awt.event.KeyEvent evt) {

*// TODO add your handling code here:*

**if**(evt.getKeyCode()== KeyEvent.VK\_ENTER){

**double** in = Double.parseDouble(jTextField1.getText());

**if**(jRadioButton1.isSelected() && jRadioButton5.isSelected())

{

**double** out = in \* 81.99;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton1.isSelected() && jRadioButton6.isSelected())

{

**double** out = in \* 107.01;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton2.isSelected() && jRadioButton4.isSelected())

{

**double** out = in / 81.99;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton2.isSelected() && jRadioButton6.isSelected())

{

**double** out = in / 0.77;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton3.isSelected() && jRadioButton1.isSelected())

{

**double** out = in / 107.01;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton3.isSelected() && jRadioButton5.isSelected())

{

**double** out = in \* 0.77;

String x = "" + out;

jTextField2.setText(x);

}

**if**(jRadioButton1.isSelected() && jRadioButton4.isSelected())

{

String x = "" + in;

jTextField2.setText(x);

}

**if**(jRadioButton2.isSelected() && jRadioButton5.isSelected())

{

String x = "" + in;

jTextField2.setText(x);

}

**if**(jRadioButton3.isSelected() && jRadioButton6.isSelected())

{

String x = "" + in;

jTextField2.setText(x);

}

}

}

***/\*\****

***\* @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\_Converter.**class**.getName()).log(java.util.logging.Level.SEVERE, **null**, ex);

} **catch** (InstantiationException ex) {

java.util.logging.Logger.getLogger(Currency\_Converter.**class**.getName()).log(java.util.logging.Level.SEVERE, **null**, ex);

} **catch** (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Currency\_Converter.**class**.getName()).log(java.util.logging.Level.SEVERE, **null**, ex);

} **catch** (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Currency\_Converter.**class**.getName()).log(java.util.logging.Level.SEVERE, **null**, ex);

}

*//</editor-fold>*

*/\* Create and display the form \*/*

java.awt.EventQueue.invokeLater(**new** Runnable() {

@Override

**public** **void** run() {

**new** Currency\_Converter().setVisible(**true**);

}

});

}

*// Variables declaration - do not modify*

**private** javax.swing.ButtonGroup buttonGroup1;

**private** javax.swing.ButtonGroup buttonGroup2;

**private** javax.swing.JButton jButton1;

**private** javax.swing.JLabel jLabel1;

**private** javax.swing.JLabel jLabel2;

**private** javax.swing.JLabel jLabel3;

**private** javax.swing.JPanel jPanel1;

**private** javax.swing.JRadioButton jRadioButton1;

**private** javax.swing.JRadioButton jRadioButton2;

**private** javax.swing.JRadioButton jRadioButton3;

**private** javax.swing.JRadioButton jRadioButton4;

**private** javax.swing.JRadioButton jRadioButton5;

**private** javax.swing.JRadioButton jRadioButton6;

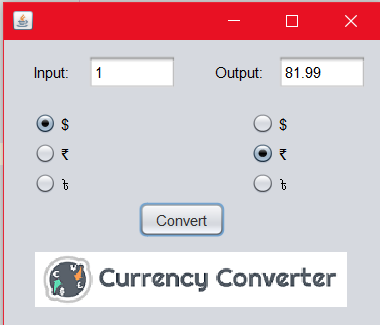
**private** javax.swing.JTextField jTextField1;

**private** javax.swing.JTextField jTextField2;

*// End of variables declaration*

}

**TEST RESULT / OUTPUT**



Here, if I press enter button or manually press the convert button with the cursor it will perform.

Now, here is the some screenshot of outputs,

