E:\currency.java

```java
1   // Java program to convert from
2   // rupee to the dollar and vice-versa
3   // using Java Swing
4
5   import javax.swing.*;
6   import java.awt.*;
7   import java.awt.event.*;
8   public class GFG {
9
10      // Function to convert from rupee
11      // to the dollar and vice-versa
12      // using Java Swing
13      public static void converter()
14      {
15
16          // Creating a new frame using JFrame
17          JFrame f = new JFrame("CONVERTER");
18
19          // Creating two labels
20          JLabel l1, l2;
21
22          // Creating two text fields.
23          // One for rupee and one for
24          // the dollar
25          JTextField t1, t2;
26
27          // Creating three buttons
28          JButton b1, b2, b3;
29
30          // Naming the labels and setting
31          // the bounds for the labels
32          l1 = new JLabel("Rupees:");
33          l1.setBounds(20, 40, 60, 30);
34          l2 = new JLabel("Dollars:");
35          l2.setBounds(170, 40, 60, 30);
36
37          // Initializing the text fields with
38          // 0 by default and setting the
39          // bounds for the text fields
40          t1 = new JTextField("0");
41          t1.setBounds(80, 40, 50, 30);
42          t2 = new JTextField("0");
43          t2.setBounds(240, 40, 50, 30);
44
45          // Creating a button for INR,
46          // one button for the dollar
47          // and one button to close
48          // and setting the bounds
49          b1 = new JButton("INR");
50          b1.setBounds(50, 80, 60, 15);
51          b2 = new JButton("Dollar");
52          b2.setBounds(190, 80, 60, 15);
53          b3 = new JButton("close");
54          b3.setBounds(150, 150, 60, 30);
```

```java
55
56            // Adding action listener
57            b1.addActionListener(new ActionListener() {
58                public void actionPerformed(ActionEvent e)
59                {
60                    // Converting to double
61                    double d
62                        = Double.parseDouble(t1.getText());
63
64                    // Converting rupees to dollars
65                    double d1 = (d / 65.25);
66
67                    // Getting the string value of the
68                    // calculated value
69                    String str1 = String.valueOf(d1);
70
71                    // Placing it in the text box
72                    t2.setText(str1);
73                }
74            });
75
76            // Adding action listener
77            b2.addActionListener(new ActionListener() {
78                public void actionPerformed(ActionEvent e)
79                {
80                    // Converting to double
81                    double d2
82                        = Double.parseDouble(t2.getText());
83
84                    // converting Dollars to rupees
85                    double d3 = (d2 * 65.25);
86
87                    // Getting the string value of the
88                    // calculated value
89                    String str2 = String.valueOf(d3);
90
91                    // Placing it in the text box
92                    t1.setText(str2);
93                }
94            });
95
96            // Action listener to close the form
97            b3.addActionListener(new ActionListener() {
98                public void actionPerformed(ActionEvent e)
99                {
100                    f.dispose();
101                }
102            });
103
104            // Default method for closing the frame
105            f.addWindowListener(new WindowAdapter() {
106                public void windowClosing(WindowEvent e)
107                {
108                    System.exit(0);
109                }
110            });
```

```
111
112            // Adding the created objects
113            // to the form
114            f.add(l1);
115            f.add(t1);
116            f.add(l2);
117            f.add(t2);
118            f.add(b1);
119            f.add(b2);
120            f.add(b3);
121
122            f.setLayout(null);
123            f.setSize(400, 300);
124            f.setVisible(true);
125        }
126
127        // Driver code
128        public static void main(String args[])
129        {
130            converter();
131        }
132 }
133
```