



Experiment No. 12
Course Project based on the content of the syllabus.
Date of Performance:
Date of Submission:

**Code :**

```
import javax.swing.*;
import java.awt.*;
import java.awt.event.*;
public class GFG {
    public static void converter()
    {
        JFrame f = new JFrame("CONVERTER");
        JLabel l1, l2;
        JTextField t1, t2;
        JButton b1, b2, b3;
        l1 = new JLabel("Rupees:");
        l1.setBounds(20, 40, 60, 30);
        l2 = new JLabel("Dollars:");
        l2.setBounds(170, 40, 60, 30);
        t1 = new JTextField("0");
        t1.setBounds(80, 40, 50, 30);
        t2 = new JTextField("0");
        t2.setBounds(240, 40, 50, 30);
        b1 = new JButton("INR");
        b1.setBounds(50, 80, 60, 15);
        b2 = new JButton("Dollar");
        b2.setBounds(190, 80, 60, 15);
        b3 = new JButton("close");
        b3.setBounds(150, 150, 60, 30);

        b1.addActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent e)
            {
                double d
                    = Double.parseDouble(t1.getText());
                double d1 = (d / 83.24);
                String str1 = String.valueOf(d1);
                t2.setText(str1);
            }
        });
        b2.addActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent e)
            {
                double d2
                    = Double.parseDouble(t2.getText());
                double d3 = (d2 * 83.24);
                String str2 = String.valueOf(d3);
                t1.setText(str2);
            }
        });
    }
}
```



```
b3.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e)
    {
        f.dispose();
    }
});
f.addWindowListener(new WindowAdapter() {
    public void windowClosing(WindowEvent e)
    {
        System.exit(0);
    }
});
f.add(l1);
f.add(t1);
f.add(l2);
f.add(t2);
f.add(b1);
f.add(b2);
f.add(b3);

f.setLayout(null);
f.setSize(400, 300);
f.setVisible(true);
}
public static void main(String args[])
{
    converter();
} }
```

A screenshot of a Windows environment. The background is a dark-themed command prompt window titled "C:\Windows\System32\cmd.e". It displays the following text:

```
Microsoft Windows [Version 10.0.22621.2428]
(c) Microsoft Corporation. All rights reserved.

C:\Users\HP\OneDrive\Desktop\Charmi>javac GFG.java

C:\Users\HP\OneDrive\Desktop\Charmi>java GFG.java
```

Overlaid on the command prompt is a light gray Java application window titled "CONVERTER". It has a standard Windows window title bar with minimize, maximize, and close buttons. The window contains two input fields: "Rupees:" with the value "83.24" and "Dollars:" with the value "1". Below the "Rupees:" field is a button labeled "INR". Below the "Dollars:" field is a button labeled "Do...". At the bottom center of the window is a button labeled "clo...".