



K. J. Somaiya Polytechnic, Mumbai-77

Batch No: C1

Enrollment No.: FCOW19118

Experiment No: 09

Experiment Name: Display JRadio button in Swing and handle event associated with it.

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Objective

O18RA63.1. Create GUI using different swing & AWT components.

Implementation:

```
import javax.swing.*;
import java.awt.event.*;

class RadioB implements ActionListener {
    JFrame f;
    JRadioButton r1, r2, r3;
    JLabel l1, l2;

    RadioB() {
        f = new JFrame("Radio Buttons");
        f.setSize(400, 400);
        f.setLayout(null);
        f.setVisible(true);

        l1 = new JLabel("Please select your preferred contact method: ");
        l1.setBounds(50, 50, 300, 30);
        r1 = new JRadioButton("Email");
        r1.setBounds(50, 100, 100, 30);
        r2 = new JRadioButton("Phone");
        r2.setBounds(50, 150, 100, 30);
        r3 = new JRadioButton("Linkedin");
        r3.setBounds(50, 200, 100, 30);
        l2 = new JLabel();
        l2.setBounds(50, 250, 200, 30);
        f.add(l1);
        f.add(r1);
        f.add(r2);
        f.add(r3);
        f.add(l2);
        ButtonGroup bg = new ButtonGroup();
```

```

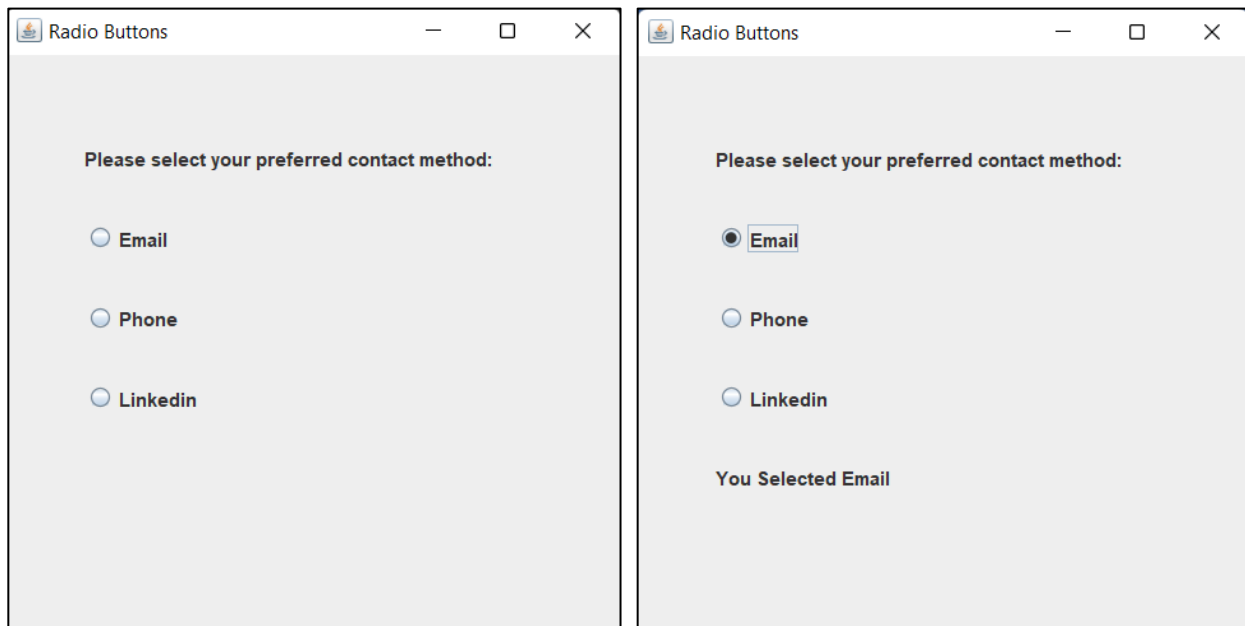
        bg.add(r1);
        bg.add(r2);
        bg.add(r3);
        r1.addActionListener(this);
        r2.addActionListener(this);
        r3.addActionListener(this);
        f.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    }

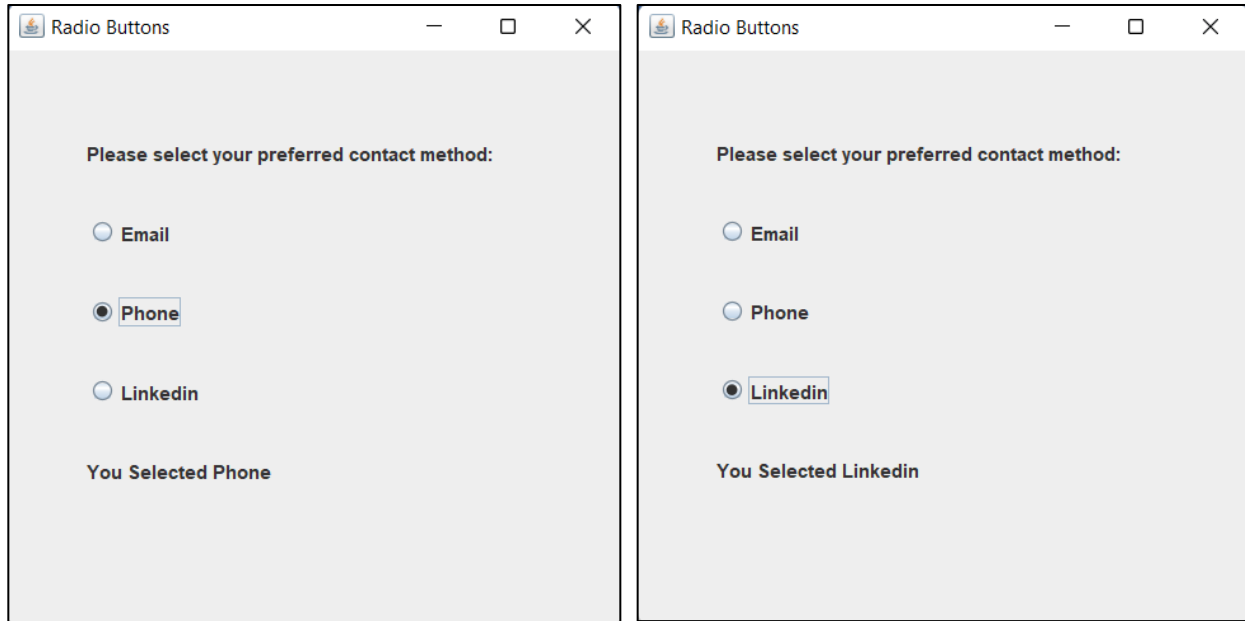
    public void actionPerformed(ActionEvent a) {
        if (r1.isSelected() == true) {
            l2.setText("You Selected " + r1.getText());
        }
        if (r2.isSelected() == true) {
            l2.setText("You Selected " + r2.getText());
        }
        if (r3.isSelected() == true) {
            l2.setText("You Selected " + r3.getText());
        }
    }

    public static void main(String args[]) {
        RadioB rb = new RadioB();
    }
}

```

Output:





Conclusion- Thus we have displayed JRadio button in Swing and handled event associated with it.