```java
package by.riit.gui_basic_component;

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

public class RadioButtonTest {

    public static void main(String[] args) {
        final JFrame frame = new JFrame("JRadioButton Demo");

        // implement ItemListener interface
        class MyItemListener implements ItemListener {

            public void itemStateChanged(ItemEvent ev) {
                boolean selected = (ev.getStateChange() == ItemEvent.SELECTED);
                AbstractButton button = (AbstractButton) ev.getItemSelectable();
                String command = button.getActionCommand();
                // build message
                String state;
                if (selected) {
                    state = "выделен";
                } else {
                    state = "снято выделение";
                }
                String message;
                if (command.equals("SWING")) {
                    message = "Swing " + state;
                } else if (command.equals("AWT")) {
                    message = "AWT " + state;
                } else {
                    message = "APPLET " + state;
                }
                // show dialog
                JOptionPane.showMessageDialog(frame, message);
            }
        }

        // creates radio button and set corresponding action
        // commands
        JRadioButton rdbApplet = new JRadioButton("Applet");
        rdbApplet.setActionCommand("APPLET");

        JRadioButton rdbAWT = new JRadioButton("AWT");
        rdbAWT.setActionCommand("AWT");

        JRadioButton rdbSwing = new JRadioButton("Swing");
        rdbSwing.setActionCommand("SWING");

        // add event handler
        MyItemListener myItemListener = new MyItemListener();
        rdbApplet.addItemListener(myItemListener);
        rdbAWT.addItemListener(myItemListener);
        rdbSwing.addItemListener(myItemListener);
```

```java
55
56          // add radio buttons to a ButtonGroup
57          final ButtonGroup group = new ButtonGroup();
58          group.add(rdbApplet);
59          group.add(rdbAWT);
60          group.add(rdbSwing);
61
62          // Frame setting
63          Container cont = frame.getContentPane();
64
65          cont.setLayout(new GridLayout(0, 1));
66          cont.add(new JLabel("Сделайте свой выбор :"));
67          cont.add(rdbApplet);
68          cont.add(rdbAWT);
69          cont.add(rdbSwing);
70
71          frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
72          frame.setSize(300, 200);
73          frame.setLocationRelativeTo(null);
74          frame.pack();
75          frame.setVisible(true);
76      }
77 }
78
```