import javax.swing.\*;

public class RadioButtonDemo {

public static void main(String[] args) {

JFrame frame = new JFrame("Pet Selector");

frame.setSize(300, 250);

JPanel panel = new JPanel();

panel.setLayout(new BoxLayout(panel, BoxLayout.Y\_AXIS));

ButtonGroup group = new ButtonGroup();

String[] pets = {"Bird", "Cat", "Dog", "Rabbit", "Pig"};

panel.add(new JLabel("Select your pet:"));

for (String pet : pets) {

JRadioButton button = new JRadioButton(pet);

group.add(button);

panel.add(button);

}

JButton submit = new JButton("Submit");

submit.addActionListener(e -> {

for (var component : panel.getComponents()) {

if (component instanceof JRadioButton) {

JRadioButton rb = (JRadioButton) component;

if (rb.isSelected()) {

JOptionPane.showMessageDialog(frame, "You selected: " + rb.getText());

return;

}

}

}

JOptionPane.showMessageDialog(frame, "Please select a pet!");

});

panel.add(submit);

frame.add(panel);

frame.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

frame.setVisible(true);

}

}