//PROGRAM BASED ON FOCUS LISTENER

import java.awt.\*;

import java.awt.event.\*;

public class AwtListenerDemo {

private Frame mainFrame;

private Label headerLabel;

private Label statusLabel;

private Panel controlPanel;

public AwtListenerDemo(){

prepareGUI();

}

public static void main(String[] args){

AwtListenerDemo awtListenerDemo = new AwtListenerDemo();

awtListenerDemo.showFocusListenerDemo();

}

private void prepareGUI(){

mainFrame = new Frame("Java AWT Examples");

mainFrame.setSize(400,400);

mainFrame.setLayout(new GridLayout(3, 1));

mainFrame.addWindowListener(new WindowAdapter() {

public void windowClosing(WindowEvent windowEvent){

System.exit(0);

}

});

headerLabel = new Label();

headerLabel.setAlignment(Label.CENTER);

statusLabel = new Label();

statusLabel.setAlignment(Label.CENTER);

statusLabel.setSize(350,100);

controlPanel = new Panel();

controlPanel.setLayout(new FlowLayout());

mainFrame.add(headerLabel);

mainFrame.add(controlPanel);

mainFrame.add(statusLabel);

mainFrame.setVisible(true);

}

private void showFocusListenerDemo()

{

headerLabel.setText("Listener in action: FocusListener");

Button okButton = new Button("OK");

Button cancelButton = new Button("Cancel");

okButton.addFocusListener(new CustomFocusListener());

cancelButton.addFocusListener(new CustomFocusListener());

controlPanel.add(okButton);

controlPanel.add(cancelButton);

mainFrame.setVisible(true);

}

class CustomFocusListener implements FocusListener{

public void focusGained(FocusEvent e) {

statusLabel.setText(statusLabel.getText()

+ e.getComponent().getClass().getSimpleName() + " gained focus. ");

}

public void focusLost(FocusEvent e) {

statusLabel.setText(statusLabel.getText()

+ e.getComponent().getClass().getSimpleName() + " lost focus. ");

}

}

}

OUTPUT:

C:\Users\Admin\Documents\jp2\Assign2>javac AwtListenerDemo.java

C:\Users\Admin\Documents\jp2\Assign2>java AwtListenerDemo

 

