//PROGRAM BASED ON COMPONENET LISTNER

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.showComponentListenerDemo();

}

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 showComponentListenerDemo(){

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

ScrollPane panel = new ScrollPane();

panel.setBackground(Color.magenta);

Label msglabel = new Label();

msglabel.setAlignment(Label.CENTER);

msglabel.setText("Welcome to TutorialsPoint AWT Tutorial.");

panel.add(msglabel);

msglabel.addComponentListener(new CustomComponentListener());

controlPanel.add(panel);

mainFrame.setVisible(true);

}

class CustomComponentListener implements ComponentListener {

public void componentResized(ComponentEvent e) {

statusLabel.setText(statusLabel.getText()

+ e.getComponent().getClass().getSimpleName() + " resized. ");

}

public void componentMoved(ComponentEvent e) {

statusLabel.setText(statusLabel.getText()

+ e.getComponent().getClass().getSimpleName() + " moved. ");

}

public void componentShown(ComponentEvent e) {

statusLabel.setText(statusLabel.getText()

+ e.getComponent().getClass().getSimpleName() + " shown. ");

}

public void componentHidden(ComponentEvent e) {

statusLabel.setText(statusLabel.getText()

+ e.getComponent().getClass().getSimpleName() + " hidden. ");

}

}

}

OUTPUT:

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

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