//PROGRAM BASED ON GRID LAYOUT

import java.awt.\*;

import java.awt.event.\*;

public class AwtLayoutDemo {

private Frame mainFrame;

private Label headerLabel;

private Label statusLabel;

private Panel controlPanel;

private Label msglabel;

public AwtLayoutDemo(){

prepareGUI();

}

public static void main(String[] args){

AwtLayoutDemo awtLayoutDemo = new AwtLayoutDemo();

awtLayoutDemo.showGridLayoutDemo();

}

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);

msglabel = new Label();

msglabel.setAlignment(Label.CENTER);

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

controlPanel = new Panel();

controlPanel.setLayout(new FlowLayout());

mainFrame.add(headerLabel);

mainFrame.add(controlPanel);

mainFrame.add(statusLabel);

mainFrame.setVisible(true);

}

private void showGridLayoutDemo(){

headerLabel.setText("Layout in action: GridLayout");

Panel panel = new Panel();

panel.setBackground(Color.darkGray);

panel.setSize(300,300);

GridLayout layout = new GridLayout(0,3);

layout.setHgap(10);

layout.setVgap(10);

panel.setLayout(layout);

panel.add(new Button("Button 1"));

panel.add(new Button("Button 2"));

panel.add(new Button("Button 3"));

panel.add(new Button("Button 4"));

panel.add(new Button("Button 5"));

controlPanel.add(panel);

mainFrame.setVisible(true);

}

}

OUTPUT:

C:\Users\Admin\Desktop\java 2>javac AwtLayoutDemo.java

C:\Users\Admin\Desktop\java 2>java AwtLayoutDemo

