**Salman Ahmed Khan**

**19K-1043**

**BS SE (A)**

**SCD LAB 3**

**Q1**

package com;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import javax.swing.\*;

class ButtonDisappear extends JFrame implements ActionListener{

private JFrame fr;

private JButton btn1, btn2, btn3;

JButton btnGetAll;

public ButtonDisappear() {

// TODO Auto-generated constructor stub

fr = new JFrame();

fr.setTitle("Task 1");

btn1 = new JButton("Button 1");

btn1.setBounds(100, 100, 200, 30);

btn2 = new JButton("Button 2");

btn2.setBounds(300, 300, 200, 30);

btn3 = new JButton("Button 3");

btn3.setBounds(600, 600, 200, 30);

btnGetAll = new JButton("Get All Button");

btnGetAll.setBounds(100, 500, 200, 70);

btn1.addActionListener(this);

btn2.addActionListener(this);

btn3.addActionListener(this);

btnGetAll.addActionListener(this);

fr.add(btn1);

fr.add(btn2);

fr.add(btn3);

fr.add(btnGetAll);

fr.setLayout(null);

fr.setVisible(true);

fr.setSize(800, 800);

}

@Override

public void actionPerformed(ActionEvent e) {

// TODO Auto-generated method stub

// String cmd = e.getActionCommand();

if(e.getSource() == btnGetAll) {

btn1.setVisible(true);

btn2.setVisible(true);

btn3.setVisible(true);

}

else if (e.getSource() == btn1) {

btn1.setVisible(false);

btn2.setVisible(true);

btn3.setVisible(true);

}

else if (e.getSource() == btn2) {

btn2.setVisible(false);

btn1.setVisible(true);

btn3.setVisible(true);

}

else {

btn2.setVisible(true);

btn1.setVisible(true);

btn3.setVisible(false);

}

}

}

public class Task1 {

public static void main(String[] args) {

// TODO Auto-generated method stub

ButtonDisappear btnD = new ButtonDisappear();

}

}

**Q2**

**package** com;

**import** java.awt.event.MouseEvent;

**import** java.awt.event.MouseListener;

**import** java.awt.event.MouseMotionListener;

**import** javax.swing.JFrame;

**import** javax.swing.JLabel;

**class** PointPosition **extends** JFrame **implements** MouseListener, MouseMotionListener{

JFrame fr;

JLabel positionLabel;

PointPosition()

{

fr = **new** JFrame();

positionLabel = **new** JLabel();

addMouseListener(**this**);

positionLabel.addMouseMotionListener(**this**);

fr.add(positionLabel);

fr.setLayout(**null**);

fr.setVisible(**true**);

fr.setSize(500, 500);

}

@Override

**public** **void** mouseDragged(MouseEvent e) {

// **TODO** Auto-generated method stub

}

@Override

**public** **void** mouseMoved(MouseEvent e) {

// **TODO** Auto-generated method stub

System.***out***.println("Moved");

positionLabel.setBounds(e.getX(), e.getY(), 40, 40);

}

@Override

**public** **void** mouseClicked(MouseEvent e) {

// **TODO** Auto-generated method stub

}

@Override

**public** **void** mousePressed(MouseEvent e) {

// **TODO** Auto-generated method stub

}

@Override

**public** **void** mouseReleased(MouseEvent e) {

// **TODO** Auto-generated method stub

}

@Override

**public** **void** mouseEntered(MouseEvent e) {

// **TODO** Auto-generated method stub

}

@Override

**public** **void** mouseExited(MouseEvent e) {

// **TODO** Auto-generated method stub

}

}

**public** **class** Task2 {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

PointPosition pp = **new** PointPosition();

}

}