

温州大学计算机与人工智能学院

Java程序设计（17网工）实验报告

实验名称	用鼠标移动信息				
班 级	18电科2	姓 名	方涛涛	学 号	18211110208
实验地点		实验时间	2020-12-27,14:34:15	指导老师	

一、问题编号：

2121

地址：<http://10.132.254.54/problem/2121/>

二、问题描述：

编写一个程序，在面板上显示一条消息。可以用鼠标移动这条消息。消息会随着鼠标的拖动而移动，消息总是显示在鼠标指针处。

三、输入说明：

四、输出说明：

五、输入样列：

六、输出样列：

七、解答内容：

所用语言：

源代码：

```
01. import java.awt.Point;
02. import java.awt.event.MouseEvent;
03. import java.awt.event.MouseMotionAdapter;
04.
05. import javax.swing.JFrame;
06. import javax.swing.JLabel;
07. import javax.swing.JPanel;
08. import javax.swing.border.EmptyBorder;
09.
10.
11. public class Main extends JFrame {
12.     private static final long serialVersionUID = -530871360516525668L;
13.
14.     public Main() {
15.         setTitle("Move Message");
16.         setDefaultCloseOperation(EXIT_ON_CLOSE);
17.         setSize(300, 200);
18.         final JLabel label = new JLabel();
19.         label.setText("Welcome to Java");
20.         label.setBounds(6, 6, 200, 50);
21.         final JPanel contentPane = new JPanel();
22.         contentPane.addMouseMotionListener(new MouseMotionAdapter() {
23.             @Override
24.             public void mouseMoved(MouseEvent e) {
25.                 Point mousePoint = e.getPoint();
26.                 label.setLocation(mousePoint.x - 110, mousePoint.y - 20);
27.             }
28.         });
29.         contentPane.add(label);
30.         contentPane.setBorder(new EmptyBorder(50, 50, 50, 50));
```

```
31.         setContentPane(contentPane);
32.         contentPane.setLayout(null);
33.     }
34.
35.     public static void main(String[] args) {
36.         try {
37.             Main frame = new Main();
38.             frame.setVisible(true);
39.         } catch (Exception e) {
40.             e.printStackTrace();
41.         }
42.     }
43.
44. }
```

八、判题结果

RE - 运行错误

判题结果补充说明:

test id:4078,result:RE, usedtime:152MS, usedmem:3360KB,score:50 java.awt.HeadlessException: No X11 DISPLAY variable was set, but this program performed an operation which requires it. at java.awt.GraphicsEnvironment.checkHeadless(GraphicsEnvironment.java:173) at java.awt.Window.<init>(Window.java:547) at java.awt.Frame.<init>(Frame.java:419) at java.awt.Frame.<init>(Frame.java:384) at javax.swing.JFrame.<init>(JFrame.java:174) at Main.<init>(Main.java:14) at Main.main(Main.java:37) test id:4079,result:RE, usedtime:152MS, usedmem:3376KB,score:50 java.awt.HeadlessException: No X11 DISPLAY variable was set, but this program performed an operation which requires it. at java.awt.GraphicsEnvironment.checkHeadless(GraphicsEnvironment.java:173) at java.awt.Window.<init>(Window.java:547) at java.awt.Frame.<init>(Frame.java:419) at java.awt.Frame.<init>(Frame.java:384) at javax.swing.JFrame.<init>(JFrame.java:174) at Main.<init>(Main.java:14) at Main.main(Main.java:37)