

AWT ADJUSTMENTLISTENER INTERFACE

http://www.tutorialspoint.com/awt/awt_adjustment_listener.htm

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Introduction

The interface **AdjustmentListener** is used for receiving adjustment events. The class that process adjustment events needs to implements this interface.

Class declaration

Following is the declaration for **java.awt.event.AdjustmentListener** interface:

```
public interface AdjustmentListener
extends EventListener
```

Interface methods

S.N. Method & Description

- | S.N. | Method & Description |
|------|--|
| 1 | void adjustmentValueChanged <i>AdjustmentEvent</i>
Invoked when the value of the adjustable has changed. |

Methods inherited

This class inherits methods from the following interfaces:

- java.awt.event.EventListener

AdjustmentListener Example

Create the following java program using any editor of your choice in say **D:/ > AWT > com > tutorialspoint > gui >**

AwtListenerDemo.java

```
package com.tutorialspoint.gui;

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.showAdjustmentListenerDemo();
    }

    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 showAdjustmentListenerDemo(){
    headerLabel.setText("Listener in action: AdjustmentListener");

    ScrollPane panel = new ScrollPane();
    panel.setBackground(Color.magenta);
    panel.getHAdjustable().addAdjustmentListener(new CustomAdjustmentListener());

    Label msglabel = new Label();
    msglabel.setAlignment(Label.CENTER);
    msglabel.setText("Welcome to Tutorialspoint AWT Tutorial.");
    panel.add(msglabel);

    controlPanel.add(panel);
    mainFrame.setVisible(true);
}

class CustomAdjustmentListener implements AdjustmentListener {
    public void adjustmentValueChanged(AdjustmentEvent e) {
        statusLabel.setText("Adjustment value: "+Integer.toString(e.getValue()));
    }
}
}

```

Compile the program using command prompt. Go to **D:/ > AWT** and type the following command.

```
D:\AWT>javac com\tutorialspoint\gui\AwtListenerDemo.java
```

If no error comes that means compilation is successful. Run the program using following command.

```
D:\AWT>java com.tutorialspoint.gui.AwtListenerDemo
```

Verify the following output





Adjustment value: 57

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