TestWindowEvent

```java
import java.awt.event.*;
import javax.swing.JFrame;

public class TestWindowEvent extends JFrame {
    public static void main(String[] args) {
        TestWindowEvent frame = new TestWindowEvent();
        frame.setLocationRelativeTo(null); // Центрируем фрейм
        frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        frame.setTitle("TestWindowEvent");
        frame.setSize(220, 80);
        frame.setVisible(true);
    }

    public TestWindowEvent() {
        addWindowListener(new WindowListener() {
            /**
             * Управление для окна события deiconified
             * Вызывается, когда окно изменяется от минимального
             * к нормальному состоянию
             */
            public void windowDeiconified(WindowEvent event) {

                System.out.println("Window deiconified");
            }

            /**
             * Handler for window iconified event
             * Invoked when a window is changed from a normal to a
             * minimized state. For many platforms, a minimized window
             * is displayed as the icon specified in the window's
             * iconImage property.
             */
            public void windowIconified(WindowEvent event) {

                System.out.println("Window iconified");
            }

            /**
             * Handler for window activated event
             * Invoked when the window is set to be the user's
             * active window, which means the window (or one of its
             * subcomponents) will receive keyboard events.
             */
            public void windowActivated(WindowEvent event) {

                System.out.println("Window activated");
            }

            /**
             * Handler for window deactivated event
             * Invoked when a window is no longer the user's active
             * window, which means that keyboard events will no longer
             * be delivered to the window or its subcomponents.
             */
            public void windowDeactivated(WindowEvent event) {

                System.out.println("Window deactivated");
            }

            /**
             * Handler for window opened event
             * Invoked the first time a window is made visible.
             */
            public void windowOpened(WindowEvent event) {

                System.out.println("Window opened");
            }

            /**
             * Handler for window closing event
             * Invoked when the user attempts to close the window
             * from the window's system menu.  If the program does not
             * explicitly hide or dispose the window while processing
             * this event, the window close operation will be cancelled.
             */
            public void windowClosing(WindowEvent event) {

                System.out.println("Window closing");
            }

            /**
             * Обработка для окна по событию закрыть
             * Вызывается когда окно закрывается как результат
             */
            public void windowClosed(WindowEvent event) {

                System.out.println("Window closed");
            }
        });
    }
}
```