

## Window System (Part 3/3): RAT Really Awesome Toolkit

### **Understanding**

Callback - Notify a single caller about a condition in the triggered operation.

Event Listener - Notify 0 to n observer about a condition that happened in an operation.

Callback (C)	Event Listener (Java)
The callback method passed as a parameter by the caller to the target.	Event object passed to the listener method by the target to the observer.
Can only notify 1 caller that triggered the operation.	Can notify several parties even if they did not triggered the operation.
Usually used to notify caller that the called async operation is finished.	Usually used when several observers need to be informed of an operation like mouse click event.

### **Expert Implementation**

**Basic Calculator** - We created a calculator widget. It works as any basic calculator works. Chaining operator is supported.

### **Added Stuffs**

**Separating widgets** - We separate each widget into independent class. This way its easier to attach it to any SimpleWindow.