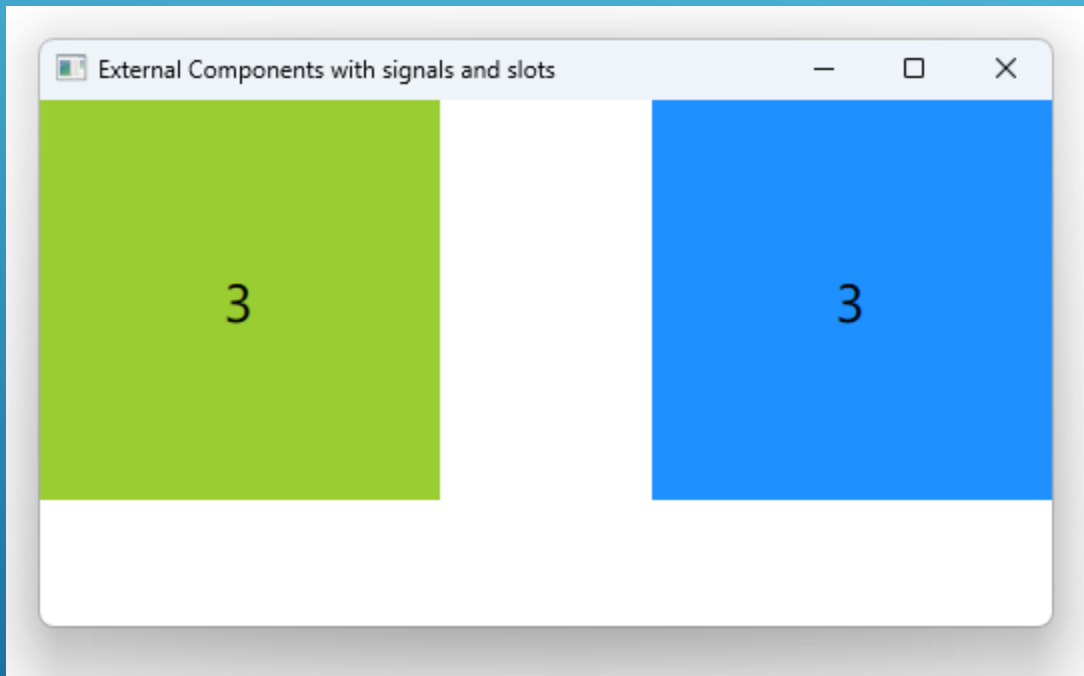


# Notes to self

- . We can connect signals and slots across components
- . We set up :
  - . A Notifier
  - . A receiver
- . Notifier sends the signal and receiver responds to it
- . A couple of things to notice here :
  - . The component is wrapped in an Item to protect internal properties from the outside .
  - . components export their width and height for them to behave well in layout components like Row and Column
  - . we export the color to be able to set it from the outside. Two techniques here :
    - . property alias : this automatically forwards changes to the color from the outside to the inside of Notifier and Receiver
    - . Set up a color property and handle its changed signal to actually apply the color on the inside. Ugly has you have to have handlers all over the place
- . We can do connections from different places (See Qt 5 course for reference) :
  - . In Notifier using Component.onCompleted
  - . At the root level of the window
  - . Inside the notifier object using targets.

# Signals Between Components



# Signals Between Components

```
Window {  
    visible: true  
    width: 640  
    height: 480  
    title: qsTr("External Components with signals and slots")  
  
    Notifier{  
        id : notifierId  
        rectColor: "yellowgreen"  
        target: receiverId  
    }  
  
    Receiver {  
        id : receiverId  
        rectColor: "dodgerblue"  
        anchors.right: parent.right  
    }  
}
```

# Note to self

- Just show the code to use the components in the slides when starting the video and let the students figure out the details as we go through the lecture.