

Some variables init

```
initialize global UUID_Service to "49535343-fe7d-4ae5-8fa9-9fafd205e455"  
initialize global UUID_TX to "49535343-8841-43f4-a8d4-ecbe34729bb3"  
initialize global UUID_Notification to "49535343-1e4d-4bd9-ba61-23c647249616"  
initialize global DeviceAddress to 0  
initialize global timerInterval to 0  
initialize global IsConnected to false  
initialize global EnableRx to false  
initialize global FirstReadDone to false
```

```
initialize global redState to 0  
initialize global greenState to 0  
initialize global blueState to 0
```

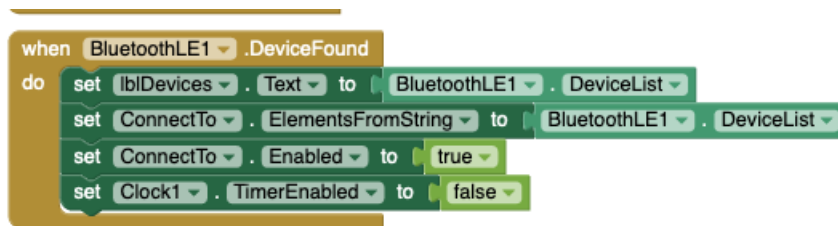
Start scanning

```
when btnBLEStartScan.Click  
do  
  set lblDevices.Text to "Searching..."  
  call BluetoothLE1.StartScanning  
  set Clock1.TimerInterval to 1000  
  set Clock1.TimerEnabled to true  
  set global timerInterval to 0
```

Stop scanning

```
when btnCancelScan.Click  
do  
  set lblDevices.Text to "Idle..."  
  set ConnectTo.Enabled to false  
  call BluetoothLE1.StopScanning  
  set Clock1.TimerEnabled to false
```

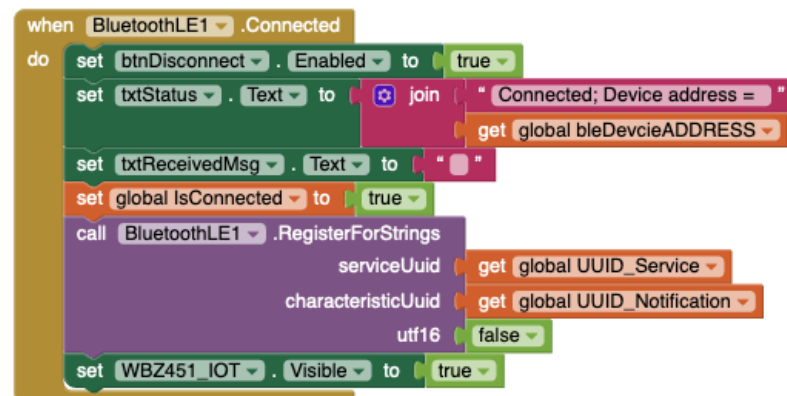
Device found



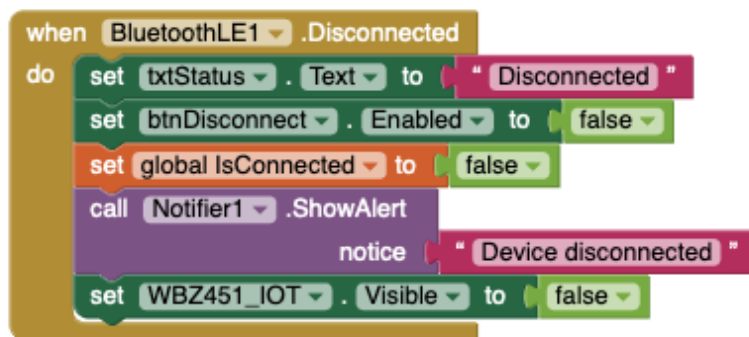
Button "Connect to..." is a list picker



Event Connected, Register for Notification



Event disconnected



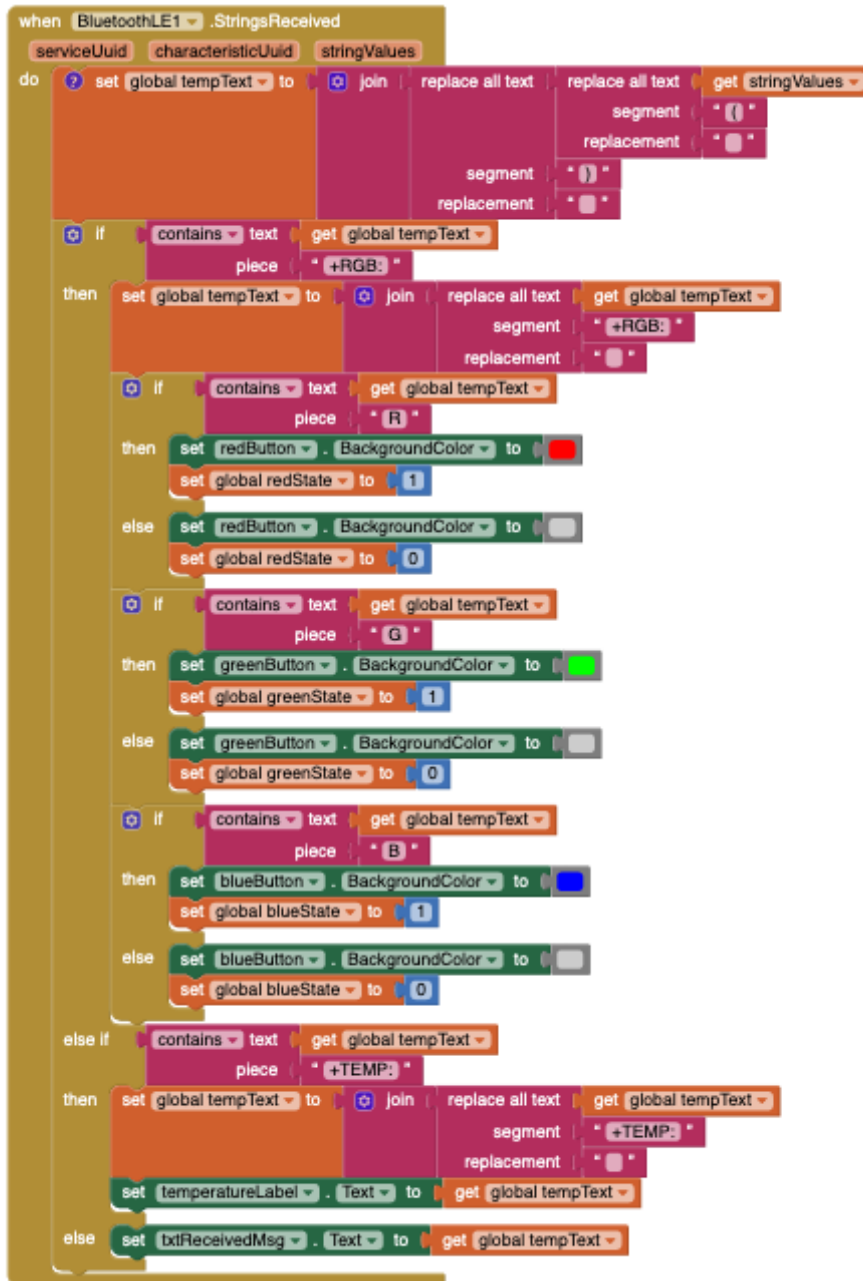
## Receiving from WBZ451

Packet received are encapsulated in (message) need to removed them  
Filter on rcv message "+RGB: R g B". Upper case is ON, lower case is OFF.

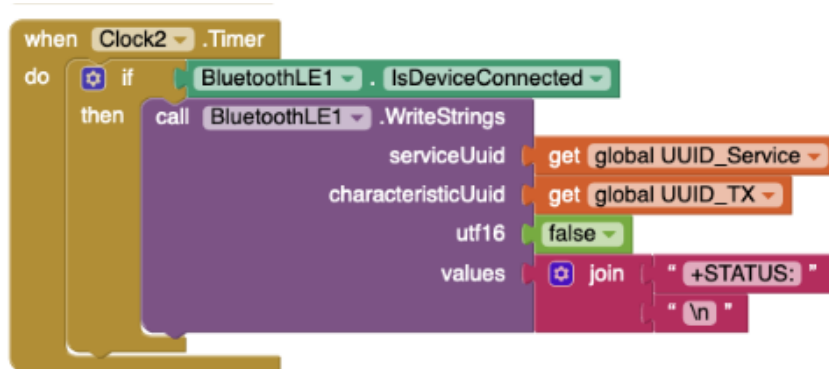
Set appropriate variable , and change ledButton background.

Filter on rcv message "+TEMP:"

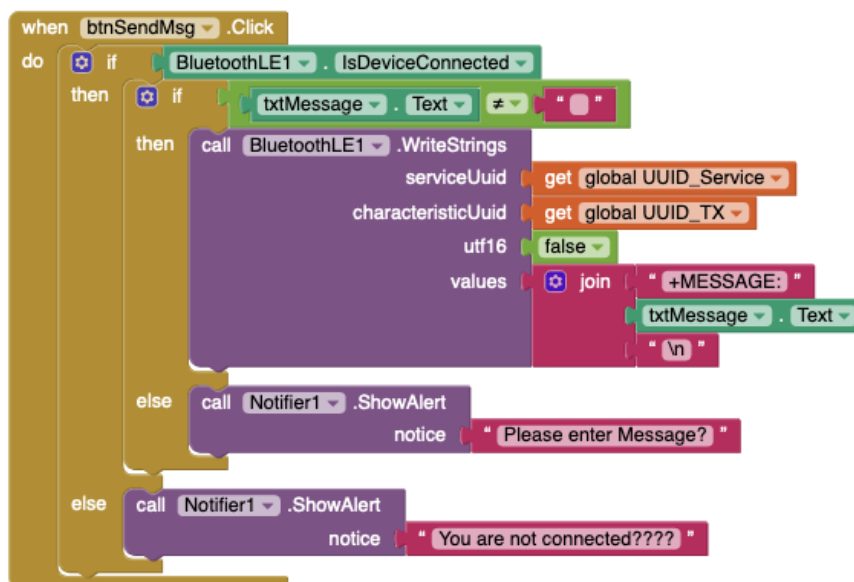
If NONE above, just display in txtReceivedMsg txtBox



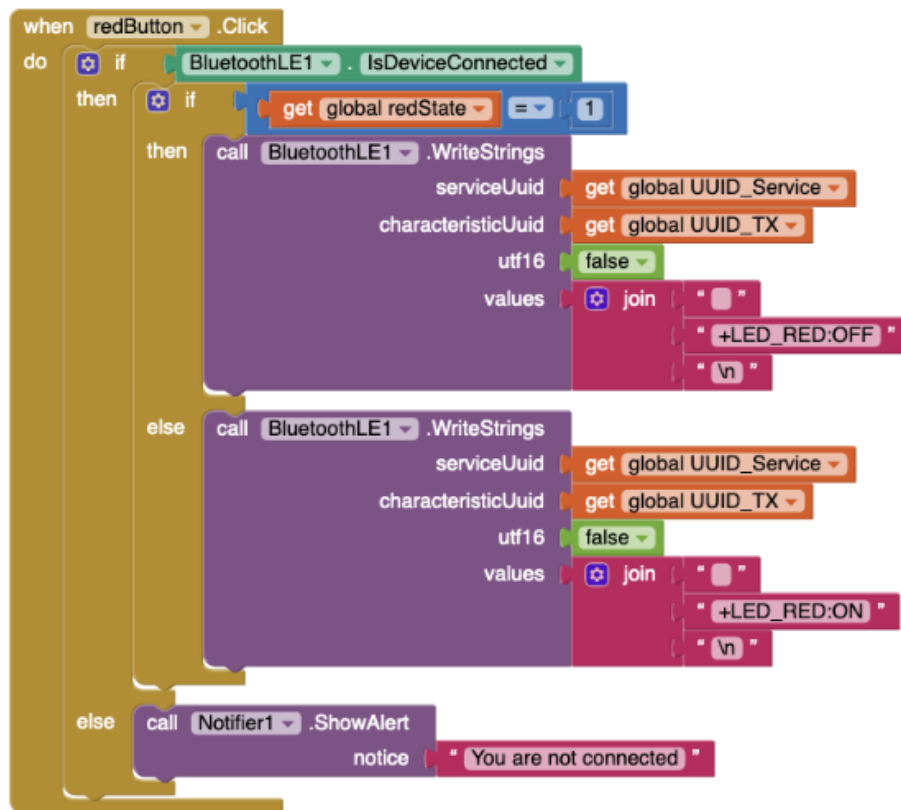
Sending +STATUS to WBZ451 using Clock2(100mSec) event. When WBZ451 received this message, it sends back the le "+RGB: r G B", upper case for ON, lower case for OFF



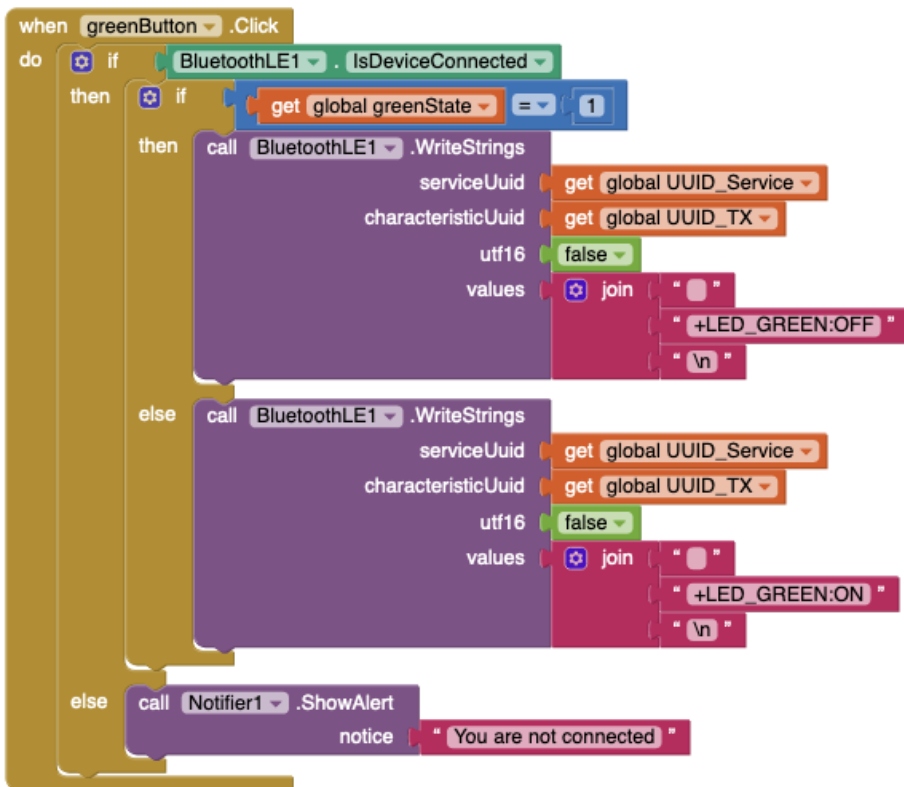
Sending Message button to WBZ451



## Sending RED\_LED button



## Sending GREEN\_LED button



## Sending BLUE\_LED button

