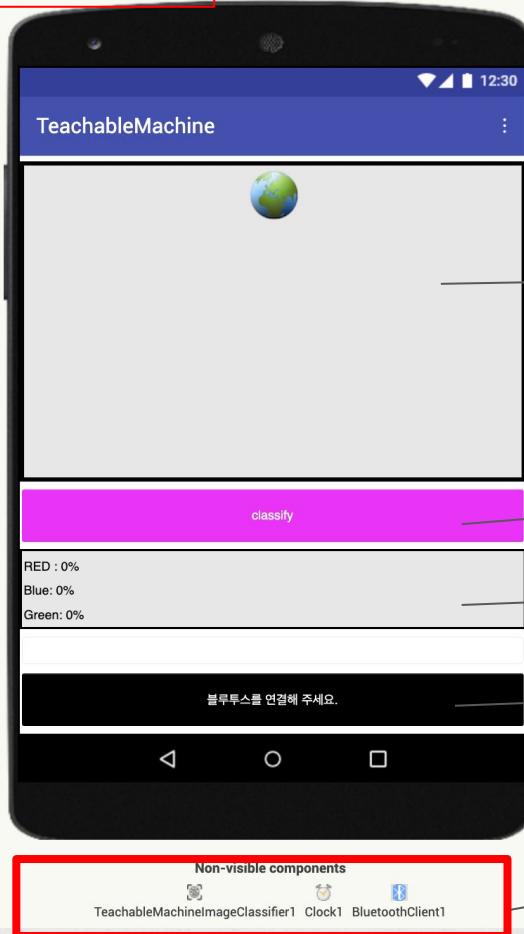


Tablet size (480 x 675)

Android 5+ Devices

480X675



webview

button

label

ListPicker

Sensors

AccelerometerSensor

BarcodeScanner

Barometer

Clock

Connectivity

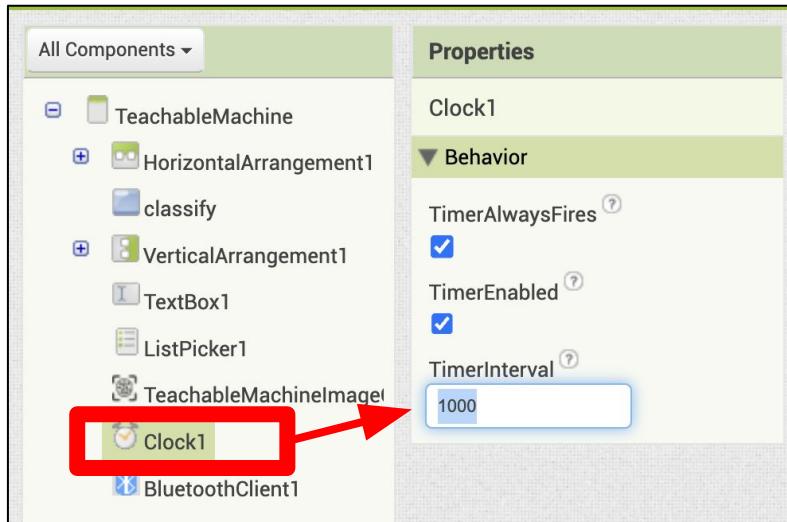
ActivityStarter

BluetoothClient

Extension

Import extension

TeachableMachineImageClassifier

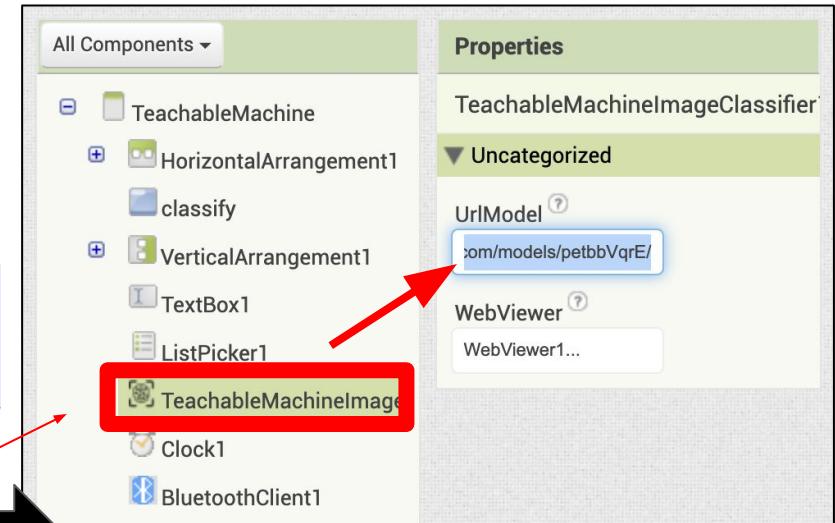
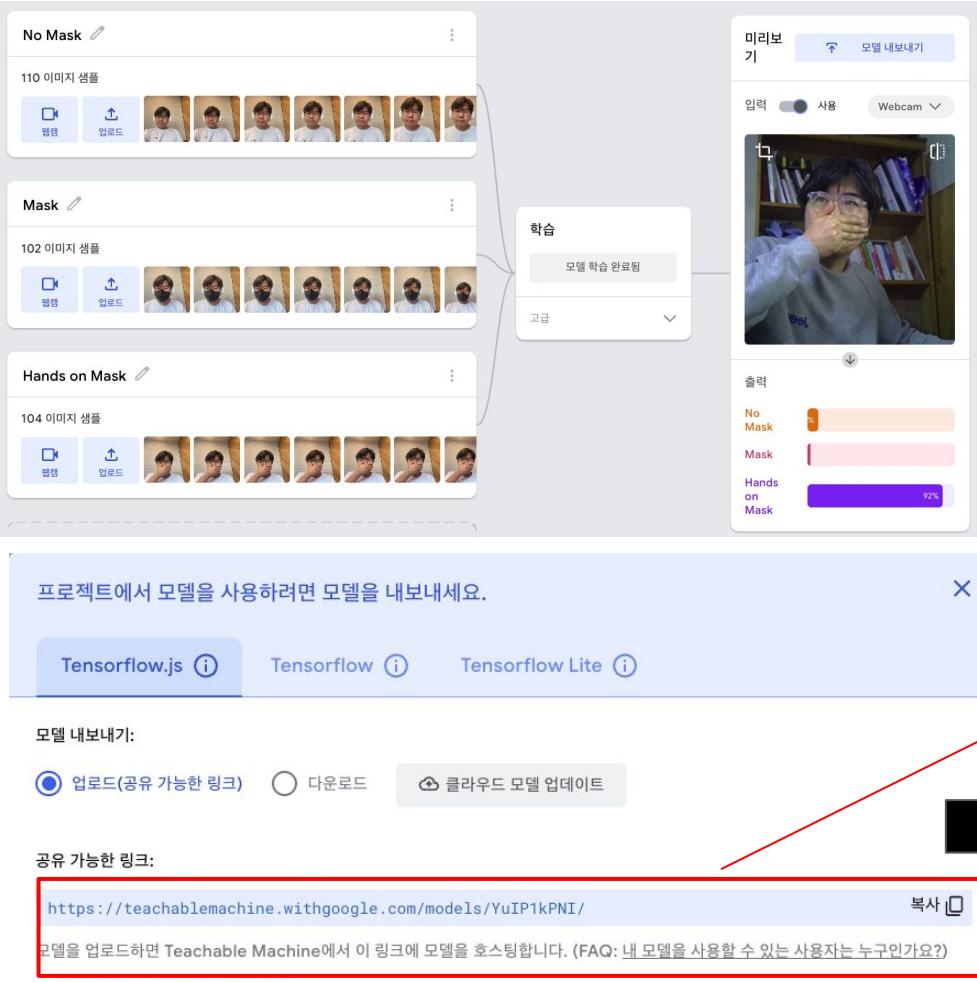


Teachable Machine url에서 읽어오는 속도 를 뜻합니다.
1000= 1초 1초마다 AI 모델이 적용합니다.

The preview screen shows a video feed of a person wearing a mask. Below the video, there are three horizontal bars representing the AI model's confidence levels for different categories:

- No Mask: A light orange bar with a progress of approximately 10%.
- Mask: A pink bar with a progress of approximately 5%.
- Hands on Mask: A purple bar with a progress of 93%.

At the top of the preview screen, there is a button labeled "Preview this model live". Below the preview area, there are input controls: a toggle switch labeled "ON" and a dropdown menu labeled "Webcam".



urlModel은 모델 업데이트로
공유 가능한 부분입니다.○

1

클릭 Teachable Machine

+ 새 프로젝트

masked 모델

Drive에서 프로젝트 열기

Drive에 프로젝트 저장

Drive에서 프로젝트 보기

Drive에 사본 만들기

Drive 로그아웃

파일에서 프로젝트 열기

프로젝트를 파일로 다운로드

2

파일 저장

FAQ

1. 샘플 수집

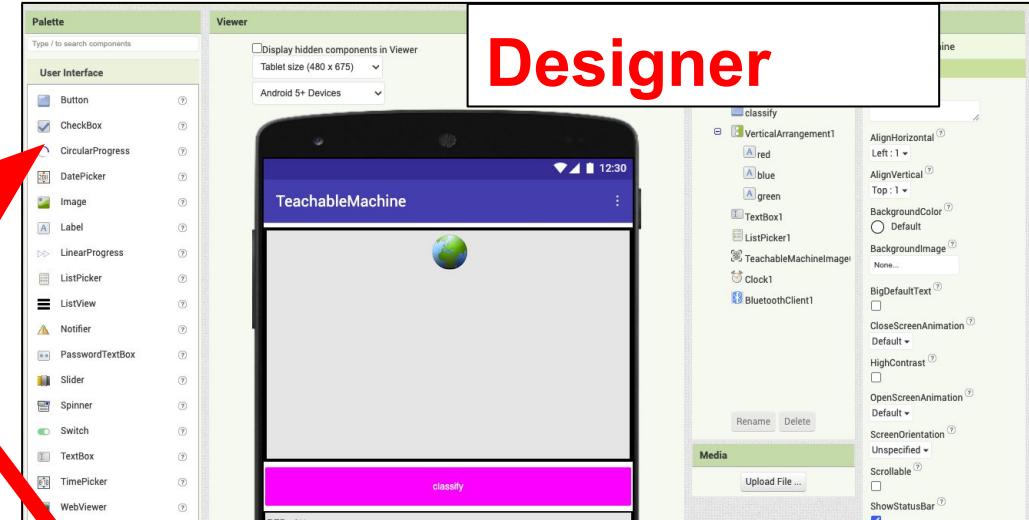
2. 모델 학습

3. 모델 내보내기

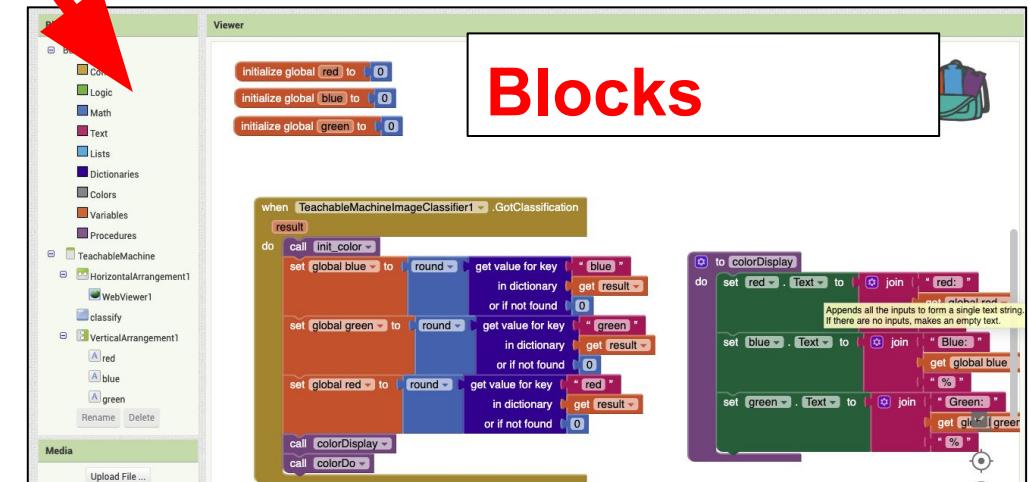


teachable machine은
파일을 저장하여
관리하는 것이
좋습니다.

Designer



Blocks



디자이너와 블록으로 나누어
코딩합니다.

```

when ListPicker1 .BeforePicking
do set ListPicker1 . Elements to BluetoothClient1 . AddressesAndNames

```

```

when ListPicker1 .AfterPicking
do if call BluetoothClient1 .Connect
    address ListPicker1 . Selection
then set ListPicker1 . Elements to BluetoothClient1 . AddressesAndNames

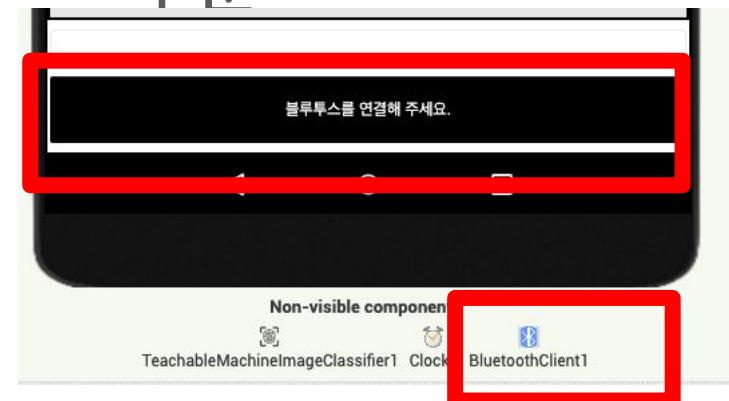
```

```

when Clock1 .Timer
do if BluetoothClient1 . IsConnected
then set ListPicker1 . Text to “블루투스가 연결되었습니다.”
    set ListPicker1 . BackgroundColor to red
else set ListPicker1 . Text to “블루투스가 연결되지 않았습니다.”
    set ListPicker1 . BackgroundColor to black

```

블루투스 연결 부부

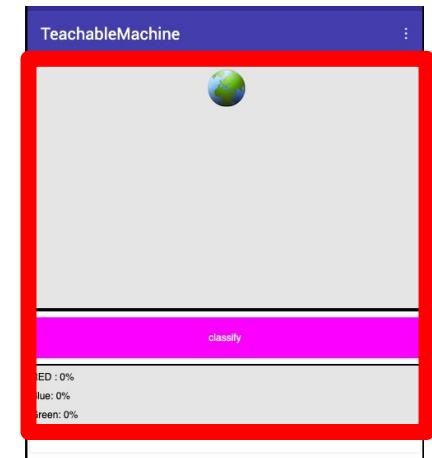


```

when classify .Click
do call TeachableMachineImageClassifier1 .ClassifyVideoData

when Clock1 Timer
do call TeachableMachineImageClassifier1 .ClassifyVideoData
  if BluetoothClient1 . IsConnected
    then set ListPicker1 . Text to “블루투스가 연결되었습니다.”
        set ListPicker1 . BackgroundColor to 
    else set ListPicker1 . Text to “블루투스가 연결되지 않았습니다.”
        set ListPicker1 . BackgroundColor to 

```



All Components ▾

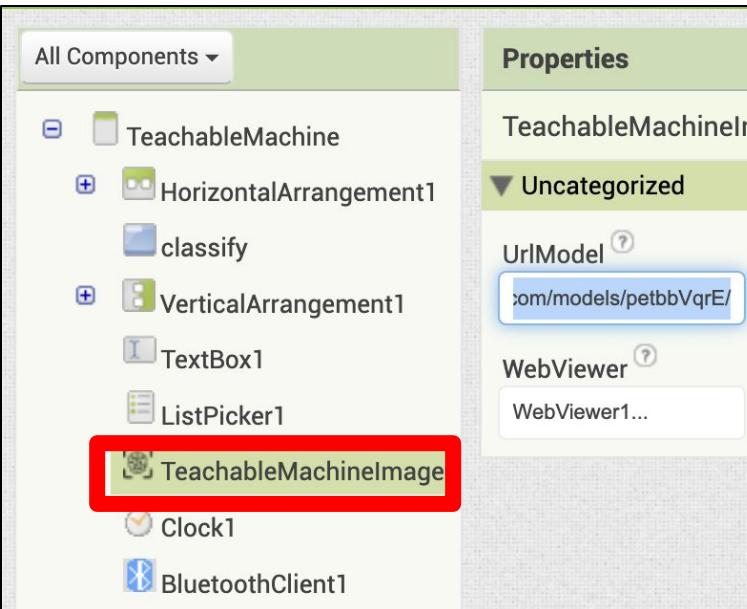
- TeachableMachine
 - HorizontalArrangement1
 - classify
 - VerticalArrangement1
 - TextBox1
 - ListPicker1
 - TeachableMachineImage
 - Clock1
 - BluetoothClient1

Properties

Clock1	
Behavior	
TimerAlwaysFires	<input checked="" type="checkbox"/>
TimerEnabled	<input checked="" type="checkbox"/>

1000

```
initialize global [red] to 0  
initialize global [blue] to 0  
initialize global [green] to 0
```

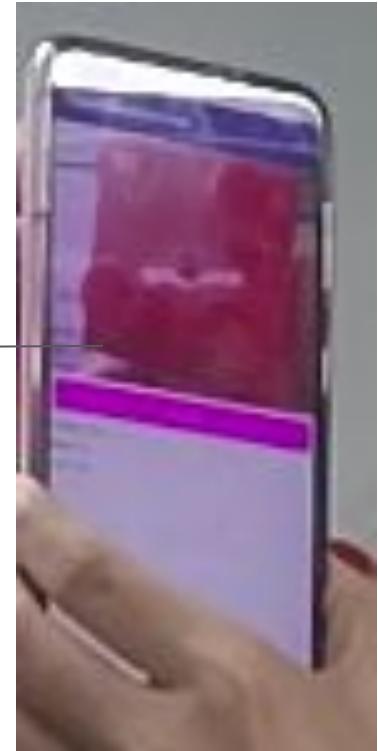


```
when [TeachableMachineImageClassifier1 .GotClassification] [ ]  
  result  
  do  
    call [init_color v]  
    set [global blue v] to [round v of [get value for key "blue" in dictionary or if not found 0]]  
    set [global green v] to [round v of [get value for key "green" in dictionary or if not found 0]]  
    set [global red v] to [round v of [get value for key "red" in dictionary or if not found 0]]  
    call [colorDisplay v]  
    call [colorDo v]
```



```
to command [command]
do
  if [BluetoothClient1] IsConnected
    then
      call [BluetoothClient1] .SendText
        [text] [get command v]
      set [TextBox1] .Text to
        [join [join [join [get command v]
          ["[ "]]]
        ["OK]"]]
      call [BluetoothClient1] .ReceiveText
        [numberOfBytes v]
      call [BluetoothClient1] .BytesAvailableToReceive
    else
      set [ListPicker1] .Text to
        ["블루투스를 연결해 주세요."]
      set [ListPicker1] .BackgroundColor to
        [black]
```

```
to colorDo
do
  if get global blue > 70
    then call command [command "blueCheck_"]
  else if get global green > 70
    then call command [command "greenCheck_"]
  else if get global red > 70
    then call command [command "redCheck_"]
  else set TextBox1 . Text to "아무거나 인식 못함"
```



센서값을 가지고 오는 부분은 아래와
같습니다.

when SENSOR_BTN .Click
do

```

when SENSOR_BTN .Click
do
  if BluetoothClient1 . IsConnected [
    then call BluetoothClient1 . SendText
      text "SENSOR"
    if call BluetoothClient1 . BytesAvailableToReceive > 0
      then set global SENSOR_LIST to split text trim call BluetoothClient1 . ReceiveText
        at :0
        numberofbytes | call BluetoothClient1 . BytesAvailableToReceive
      set temperature . Text to join *온도*: *
        select list item list get global SENSOR_LIST
        index 1
      set humidity . Text to join *습도*: *
        select list item list get global SENSOR_LIST
        index 2
      set light . Text to join *조명*: *
        select list item list get global SENSOR_LIST
        index 4
      set whumidity . Text to join *습도:*
        select list item list get global SENSOR_LIST
        index 3
  ]

```

when Clock1 .Timer
do

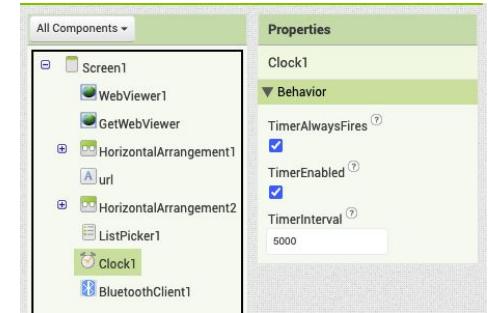
```

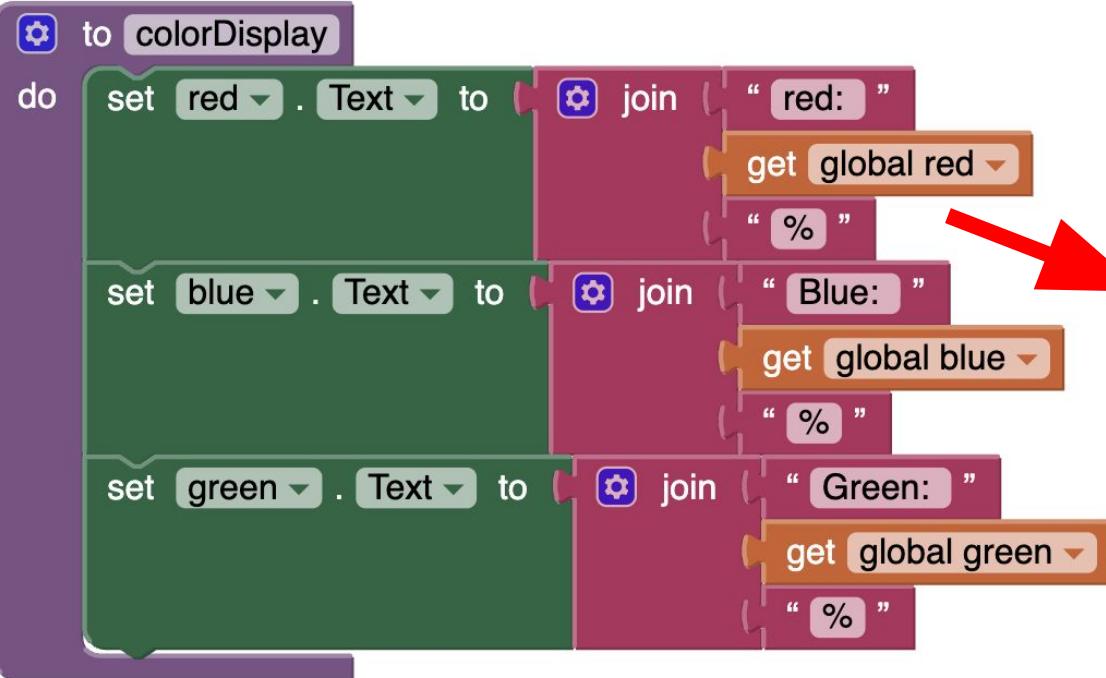
when Clock1 .Timer
do
  if BluetoothClient1 . IsConnected [
    then call BluetoothClient1 . SendText
      text "SENSOR"
    if call BluetoothClient1 . BytesAvailableToReceive > 0
      then set global SENSOR_LIST to split text trim call BluetoothClient1 . ReceiveText
        at :0
        numberofbytes | call BluetoothClient1 . BytesAvailableToReceive
      set temperature . Text to join *온도*: *
        select list item list get global SENSOR_LIST
        index 1
      set humidity . Text to join *습도*: *
        select list item list get global SENSOR_LIST
        index 2
      set light . Text to join *조명*: *
        select list item list get global SENSOR_LIST
        index 4
      set whumidity . Text to join *습도:*
        select list item list get global SENSOR_LIST
        index 3
  ]

```

버튼 클릭하여 센서값
적용

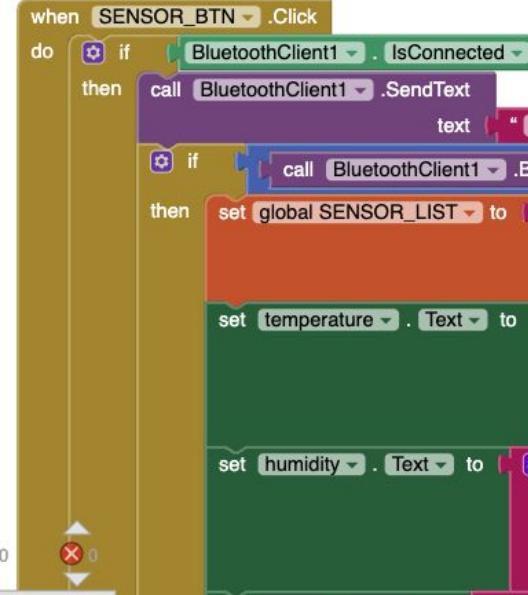
5초마다 센서값을 적용





label값에서 보여주는 역할을 할 뿐입니다.

initialize global [SENSOR_LIST] to [create empty list]



1단계 : 버튼 클릭

2단계 : 블루투스 통신 “SENSOR_” 전달

3단계 : 45,67,13,12 이런 형식으로 메시지를

3단계 : ,로 나누면 배열 형식으로
SENSOR_LIST에 저장

4단계: 하나씩 가지고 옴

initialize global **SENSOR_LIST** to  create empty list

call **BluetoothClient1** .SendText
text “**SENSOR_**”

if **BluetoothClient1** .BytesAvailableToReceive > 0
then set global **SENSOR_LIST** to  split text trim call **BluetoothClient1** .ReceiveText
at “”
call **BluetoothClient1** .BytesAvailableToReceive

select list item list **get global SENSOR_LIST**
index 1

감사합니다.