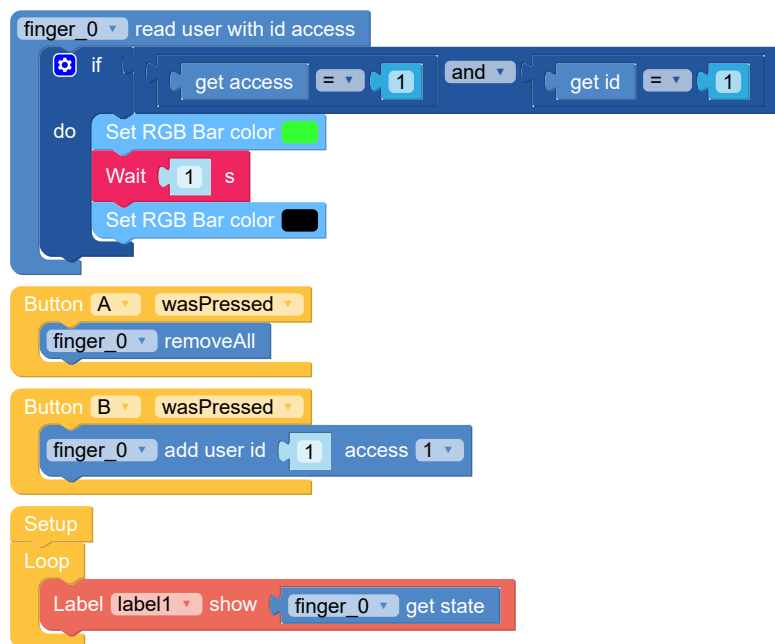


Unit Finger

| 案例程序

录入并识别指纹



```

from m5stack import *
from m5ui import *
from uiflow import *
import time
import unit

setScreenColor(0x222222)
finger_0 = unit.get(unit.FINGER, unit.PORTE)

label1 = M5TextBox(23, 69, "Text", lcd.FONT_Default, 0xFFFFFF, rotate=0)
title0 = M5Title(title="FINGERPRINT", x=3, fgcolor=0xFFFFFF, bgcolor=0x0000FF)

def finger_0_cb(user_id, access):
    # global params
    if (access) == 1 and (user_id) == 1:
        rgb.setColorAll(0x33ff33)
        wait(1)
        rgb.setColorAll(0x000000)
    pass
finger_0.readFingerCb(callback=finger_0_cb)

def buttonA_wasPressed():
    # global params
    finger_0.removeAllUser()
    pass
btnA.wasPressed(buttonA_wasPressed)

def buttonB_wasPressed():
    # global params
    finger_0.addUser(1, 1)
    pass
btnB.wasPressed(buttonB_wasPressed)

while True:
    label1.setText(str(finger_0.state))
    wait_ms(2)

```

功能说明

finger_0 Set core uart ID num 1

```
finger_0.uart_port_id(1)
```

- 设置核心部件 ID

finger_0 add user id 1 access 1

```
finger_0.addUser(1, 1)
```

- 添加 ID 和访问权限

finger_0 getUnknown

```
def finger_0_unknownCb():  
    # global params  
    pass  
finger_0.getUnknownCb(finger_0_unknownCb)
```

- 未知的 id 及权限执行以下操作(回调函数)

get access

```
print(access)
```

- 返回访问权限

get id

```
print(user_id)
```

- 返回 ID

finger_0 get state

```
print(finger_0.state)
```

- 读取传感器状态

finger_0 read user with id access

```
def finger_0_cb(user_id, access):  
    # global params  
    pass  
finger_0.readFingerCb(callback=finger_0_cb)
```

- 添加 ID 和访问权限(回调函数)

finger_0 removeAll

```
finger_0.removeAllUser()
```

- 移除所有指纹信息

remove finger_0 id 1

移出指纹 ID

- 移出指纹 ID