Maloca Das Icoisas Data: 07/09/2024

discentes: Lucas Gabriel Rocha, Leonardo Vinícius Lima Castro, Arthur Correia de Oliveira Ramos, Luciano dos Santos Nascimento, Wesley Silva Araújo.

Relatório de atividade MIC009-Aula 02

Código Python para Ligar um LED no Raspberry Pi:

```
Setting up bluetooth (5.66-1+rpt1+deb12u2) ...

Setting up bluetooth (5.66-1+rpt1+deb12u2) ...

Setting up libbluetooth-dev:armif (5.66-1+rpt1+deb12u2) ...

Processing tritggers for dubs (1.4.10-1-deb12u1) ...

Processing tritggers for dubs (1.4.10-1-deb12u1) ...

Processing tritggers for libte.bin (2.36-9+rpt2+deb12u7) ...

plidepit2i-S sudo apt install python3-bluez

Reading package lists... Done

Bullding dependency tree... Done

Bullding dependency tree... Done

Reading patate information... Done

The following additional packages will be installed:

libboost-python1.7.4.9 python3-bluez

Reading state information... Done

Need to get 440 & ko of rentives.

After this operation, 3,183 & B of additional disk space will be used.

Do you want to continue? [V/n] y

Cet:1 http://raspblan.raspberrypl.com/raspblan bookworn/nain armif python3-gattlib armif 0-20210616-1-bi [180 k8]

Cet:2 http://raspblan.raspberrypl.com/raspblan bookworn/nain armif python3-gattlib armif 0-20210616-1-bi [180 k8]

Cet:3 http://raspblan.raspberrypl.com/raspblan bookworn/nain armif python3-gattlib armif 0-20210616-1-bi [180 k8]

Cet:3 http://raspblan.raspberrypl.com/raspblan bookworn/nain armif python3-gattlib armif 0-20210616-1-bi [180 k8]

Cet:3 http://raspblan.raspberrypl.com/raspblan bookworn/nain armif python3-gattlib armif 0-20210616-1-bi [180 k8]

Cet:3 http://raspblan.raspberrypl.com/raspblan bookworn/nain armif python3-bluez armif 0-23-5.1-b2 [56.7 k8]

Fetched 448 ki n 3s (167 k8/s)

Selecting previously unselected package libboost-python1.7-4.0.

(Reading database ... 636 files and directories currently installed.)

Preparing to unpack .../python3-gattlib 0-20210616-1-bi_armif.deb ...

Unpacking libboost-python1.7-4.0 (1.74.0-ds1-21) ...

Selecting previously unselected package python3-gattlib.

Preparing to unpack .../python3-gattlib.0-20210616-1-bi_armif.deb ...

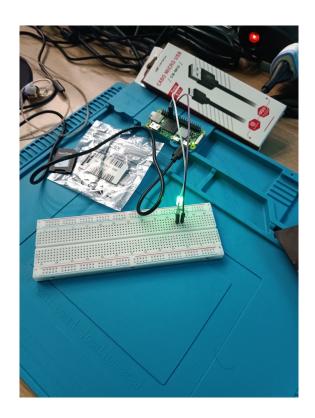
Unpacking unpack .../python3-bluez.0-23-5.1-bi_armif.deb ...

Unpacking unpack .../python3-gattlib (0-20210616-1-bi) ...

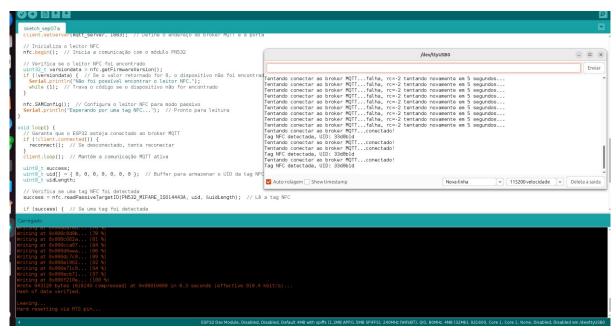
Selecting previously unselected package py
```

Aqui está o código Python que deve ser rodado no Raspberry Pi para permitir a comunicação Bluetooth e o controle do LED:

Circuito LED



Módulo Leitor RFID com PN532 no ESP32



Circuito NFC

