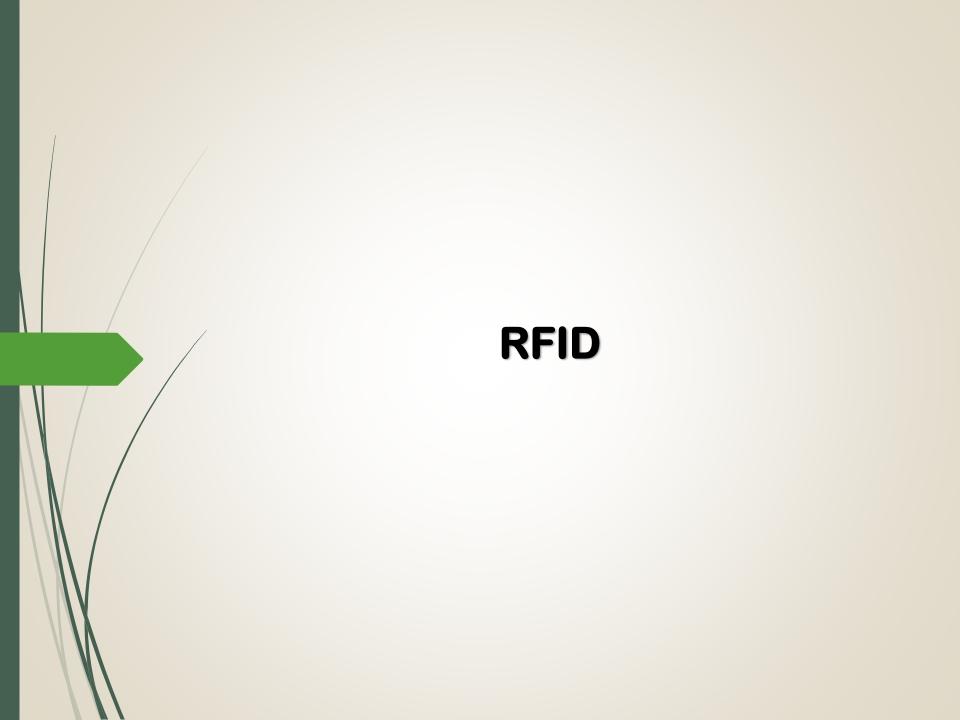
ARDUINO RFID, Infrarouge

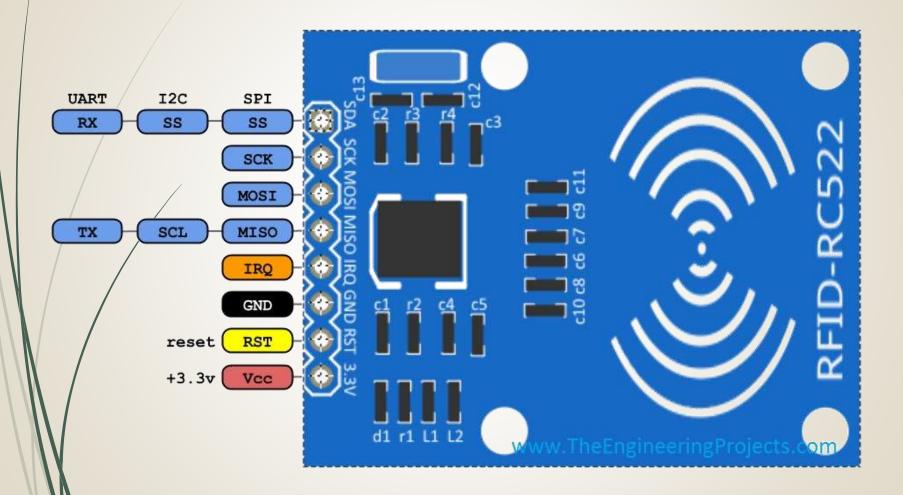
Farouk MEDDAH

PLAN

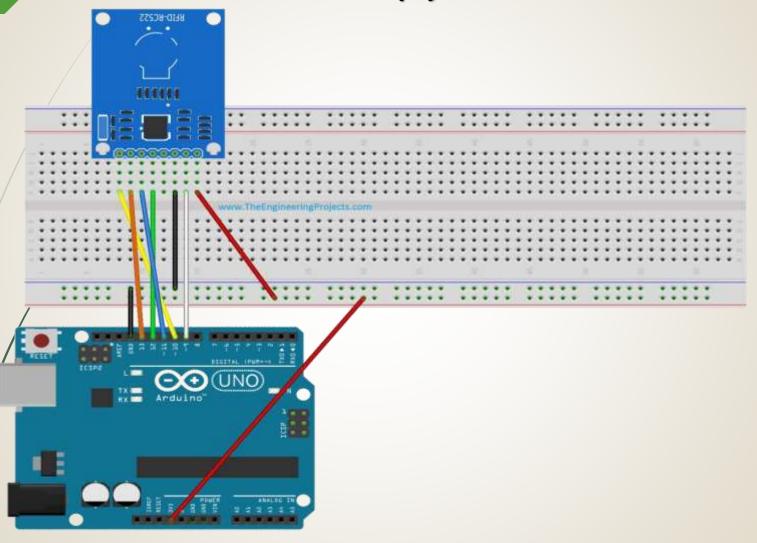
- RFID
 - Présentation
 - Circuit d'exemple
- **INFRA-ROUGE**
 - Présentation
 - Circuit d'exemple



RFID (1)



RFID (2)



PROGRAMME D'EXEMPLE

```
#include <SPI.h>
#include <MFRC522.h>
#define RST_PIN
#define SS PIN
MFRC522 mfrc522(SS_PIN, RST_PIN);
 oid setup()
 SPI.begin();
 mfrc522.PCD_Init();
 Serial.begin (9600); Serial.begin ("RFID Tutorial");
```

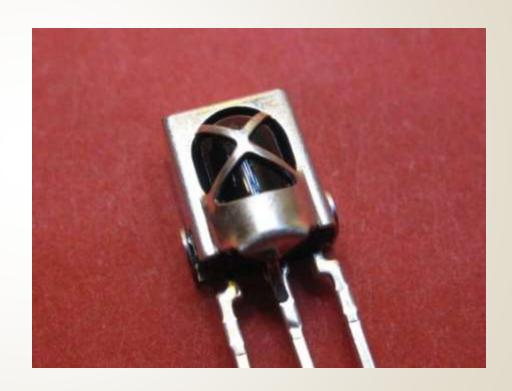
PROGRAMME D'EXEMPLE (SUITE)

```
void loop()
 if (mfrc522.PICC_IsNewCardPresent()) {
  if ( mfrc522.PICC_ReadCardSerial()) {
   Serial.print("\nNew card = ");
   for (byte i = 0; i < mfrc522.uid.size; i++) {
     $erial.print(mfrc522.uid.uidByte[i] < 0x10 ? "0" : " ");</pre>
     Serial.print(mfrc522.uid.uidByte[i], HEX);
```

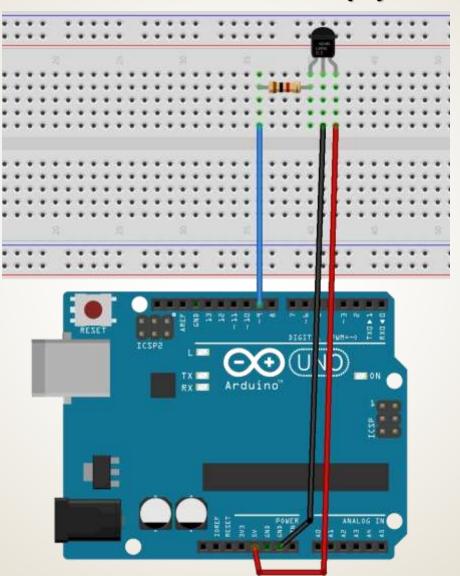
INFRA-ROUGE

INFRA-ROUGE (1)





INFRA-ROUGE (2)



PROGRAMME D'EXEMPLE

```
#include <string.h>
#include <ccspi.h>
#include <IRLib.h>
#define IR_PROTOCOL NEC
IRregv My_Receiver(9);//Receive on pin 9
IRdecode My Decoder;
void setup()
 Serial.begin(9600);
 My_Receiver.enableIRIn(); // Start the receiver
```

PROGRAMME D'EXEMPLE (SUITE)

```
void loop()
{
  if (My_Receiver.GetResults(&My_Decoder)) {
    My_Decoder.decode();
    Serial.println(My_Decoder.value, HEX);
    My_Receiver.resume();
  }
}
```

