#include <SPI.h>

#include <RFID.h>

#define SS\_PIN 10

#define RST\_PIN 9

RFID rfid(SS\_PIN, RST\_PIN);

String rfidCard;

void setup() {

Serial.begin(9600);

Serial.println("Starting the RFID Reader...");

SPI.begin();

rfid.init();

pinMode(8,OUTPUT);

pinMode(7,OUTPUT);

}

void loop() {

if (rfid.isCard()) {

if (rfid.readCardSerial()) {

rfidCard = String(rfid.serNum[0]) + " " + String(rfid.serNum[1]) + " " + String(rfid.serNum[2]) + " " + String(rfid.serNum[3]);

Serial.println(rfidCard);

if (rfidCard == "101 25 231 44" || rfidCard =="195 62 118 18") {

digitalWrite(8,HIGH);

delay(500);

digitalWrite(8,LOW);

delay(500);

Serial.println("Access Granted");

} else {

digitalWrite(7,HIGH);

delay(500);

digitalWrite(7,LOW);

delay(500);

Serial.println("Access Denied");

}

}

}

rfid.halt();

}