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#include <Adafruit_NeoPixel.h>
#ifdef __AVR__
  #include <avr/power.h> // Required for 16 MHz Adafruit Trinket
#endif

#include <RFID.h>
#include <SPI.h>
#include <Wire.h>

#define SS_PIN 10
#define RST_PIN 9

#define I2C_ADDRESS 0x3C

#define rLED_PIN 6
#define lLED_PIN 5
#define LED_COUNT 7
#define DELAY 700

RFID rfid(SS_PIN, RST_PIN);
Adafruit_NeoPixel r_strip(LED_COUNT, rLED_PIN, NEO_GRB + NEO_KHZ800);
Adafruit_NeoPixel l_strip(LED_COUNT, lLED_PIN, NEO_GRB + NEO_KHZ800);
String rfidCard;

void setup() {

#ifdef __AVR_ATtiny85__ && (F_CPU == 16000000)
  clock_prescale_set(clock_div_1);
#endif

  r_strip.begin();      // INITIALIZE NeoPixel Right strip object (REQUIRED)
  r_strip.clear();
  r_strip.setBrightness(100); // Set BRIGHTNESS to about 1/5 (max = 255)

  l_strip.begin();      // INITIALIZE NeoPixel Left strip object (REQUIRED)
  l_strip.clear();
  l_strip.setBrightness(100);

  Serial.begin(9600);
  Serial.println("Starting the RFID Reader...");
  SPI.begin();
  rfid.init();

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Wire.begin();
Wire.setClock(400000L);
}

void loop()
{

if (rfid.isCard())
  Serial.println("RFID Card Detected...");
  {
    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 == "195 216 210 30")
          {
            for(int i=0; i<LED_COUNT; i++)
              {
                Serial.println("Setting Right Pixel Color to Blue...");
                r_strip.setPixelColor(i, r_strip.Color(0, 0, 255));

              }
            r_strip.show();
            delay(DELAY);
          }
        else if (rfidCard == "208 128 122 33")
          {
            for(int i=0; i<LED_COUNT; i++)
              {
                Serial.println("Setting Left Pixel Color to Green");
                l_strip.setPixelColor(i, l_strip.Color(0, 255, 0));
              }
            l_strip.show();
            delay(DELAY);
          }
        }
      }

rfid.halt();

}
delay(DELAY);
l_strip.clear(); // clear all Left PIXELS

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l_strip.show(); // update PIXEL hardware
r_strip.clear();
r_strip.show();
}
```