#include <DHT.h>

#include <DHT\_U.h>

#define DHTPIN 2

#define DHTTYPE DHT11

DHT dht(DHTPIN, DHTTYPE);

void setup() {

Serial.begin(9600);

dht.begin();

pinMode(4, OUTPUT);

pinMode(7, OUTPUT);

}

void loop() {

delay(1000);

float t = dht.readTemperature();

if (isnan(t)) {

Serial.println(F("Error with sensor!"));

return;

}

Serial.print(F("% Temperature: "));

Serial.print(t);

Serial.print(F("°C "));

Serial.print('\n');

if (t > 26) {

digitalWrite(7, HIGH);

delay(5000);

return;

} else {

digitalWrite(7, LOW);

}

if (t < 25) {

digitalWrite(4, HIGH);

delay(5000);

return;

} else {

digitalWrite(4, LOW);

}

}