#define BLYNK\_PRINT Serial

#include <Ultrasonic.h>

#include <SPI.h>

#include <WiFi101.h>

#include <BlynkSimpleMKR1000.h>

char auth[] = "hftydytfuygiuguyfytced9";

char ssid[] = "justdo";

char pass[] = "phuhbjiob";

BlynkTimer timer;

int distance = 0;

int thresh[3] = {25, 50, 75};

Ultrasonic ultrasonic(12, 13);

WidgetLED green(V1);

WidgetLED orange(V2);

WidgetLED red(V3);

void setup()

{

Serial.begin(9600);

Blynk.begin(auth, ssid, pass);

}

void loop()

{

distance = ultrasonic.distanceRead();

Serial.println(distance);

Blynk.run();

if(distance<thresh[0]){

green.on();

}

else if(distance<thresh[1])

green.on();

orange.on();

}

else if(distance<thresh[2])

green.on();

orange.on();

red.on();

}

else{

green.off();

orange.off();

red.off();

delay(100);

}