https://wokwi.com/projects/346775237405180499

## PROGRAM:

```
#define ECHO PIN 2
#define TRIG_PIN 3
#define organization = "odvjnt"
#define deviceType = "abcd"
#define deviceId = "123456"
#define authMethod = "use-token-auth"
#define authToken = "12345678"
void setup(){
    Serial.begin(9600);
    pinMode(TRIG_PIN,OUTPUT);
    pinMode(ECHO_PIN, INPUT);
 float readDistanceCM(){
     digitalWrite(TRIG_PIN,LOW);
     delayMicroseconds(2);
     digitalWrite(TRIG_PIN,HIGH);
     delayMicroseconds(10);
     digitalWrite(TRIG_PIN,LOW);
     int duration=pulseIn(ECHO_PIN,HIGH);
     return duration*0.034/2;
 void loop(){
     float distance=readDistanceCM();
     if(distance<=100)</pre>
         Serial.println("person detected");
     else{
         Serial.print("Measured distance:");
         Serial.println(readDistanceCM());
     delay(1000);
```

