Assignment 4

Project Link: https://wokwi.com/projects/290056311044833800

```
Code:
#define ECHO_PIN 2
#define TRIG_PIN 3
#define organization ="kv09p4"
#define device type ="Groot"
#define deviceId="13"
#define authmethod="token" #define
authToken="123456789"
void setup() { Serial.begin(115200);
pinMode(LED_BUILTIN, OUTPUT);
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)
{
Serial.println("person detected");
}
else{
Serial.print("Measured distance:");
Serial.println(readDistanceCM());
```

```
}
delay(1000);
}
```





