float distance,duration;

int trigpin=9;

int echopin=6;

int led=10;

int count;

void setup() {

pinMode(led, OUTPUT);

pinMode(trigpin, OUTPUT);

pinMode(echopin, INPUT);

Serial.begin(9600);

}

void loop() {

digitalWrite(trigpin,HIGH);

delay(10);

digitalWrite(trigpin,LOW);

duration=pulseIn(echopin,HIGH);

distance=(duration/2)\*0.034;

if(distance<=50){

count++;

digitalWrite(led, HIGH);

delay(2000);

}

if(distance>=51){

count--;

delay(2000);

}

Serial.println(count);

if(count<1){

count=0;

}

if(count==0){

digitalWrite(led, LOW);

}

}