#include <Servo.h>

Servo myservo1;

Servo myservo2;

int pos = 0;

int trigpin=8;

int echopin=13;

void setup()

{

pinMode(trigpin,INPUT);

pinMode(echopin,OUTPUT);

pinMode(12,OUTPUT);

pinMode(7,OUTPUT);

myservo1.attach(12);

myservo2.attach(7);

Serial.begin(9600);

}

void loop()

{

digitalWrite(trigpin,HIGH);

delay(1500);

digitalWrite(trigpin,LOW);

delay(1500);

int duration=pulseIn(echopin,HIGH);

int distance=(duration\*0.032)/2;

Serial.println("the distance is..");

Serial.println(distance);

if(distance>>100)

{

for (pos = 0; pos <= 180; pos += 1)

{

myservo1.write(pos);

myservo2.write(pos);

delay(1000);

}

for (pos = 180; pos >= 0; pos -= 1)

{

myservo1.write(pos);

myservo2.write(pos);

delay(1000);

}

}

else

{

pos = 0;

{

myservo1.write(pos);

myservo2.write(pos);

delay(1000);

}

}

}