#include <Servo.h>

#define trigPin 7

#define echoPin 6

Servo servo;

int sound = 250;

void setup() {

Serial.begin (9600);

pinMode(trigPin, OUTPUT);

pinMode(echoPin, INPUT);

servo.attach(8);

}

void loop() {

long duration, distance;

digitalWrite(trigPin, LOW);

delayMicroseconds(2);

digitalWrite(trigPin, HIGH);

delayMicroseconds(10);

digitalWrite(trigPin, LOW);

duration = pulseIn(echoPin, HIGH);

distance = (duration/2) / 29.1;

if (distance < 5) {

servo.write(90);

}

else {

servo.write(0);

}

if (distance > 60 || distance <= 0) {

}

else {

Serial.print(distance);

}

delay(500);