const int trigpin=7;

const int echopin =4;

const int buzzer =2 ;

const int ledpin=12;

long duration;

int distance ;

int safetydistance ;

void setup() {

 pinMode(trigpin,OUTPUT);

 pinMode(echopin,INPUT);

 pinMode(buzzer,OUTPUT);

 pinMode(ledpin,OUTPUT);

 Serial.begin(9600);

 // put your setup code here, to run once:

}

void loop() {

 digitalWrite(trigpin,LOW);

 delayMicroseconds(2);

 digitalWrite(trigpin,HIGH);

 delayMicroseconds(10);

 digitalWrite(trigpin,LOW);

 duration=pulseIn(echopin,HIGH);

 distance=duration\*0.034/2 ;

 safetydistance = distance ;

 if (safetydistance<=5){

   digitalWrite(buzzer,HIGH);

   digitalWrite(ledpin,HIGH);

 }

 else{

   digitalWrite(buzzer,LOW);

   digitalWrite(ledpin,LOW);

 }

 Serial.print("Distance: ");

 Serial.println(distance);

 // put your main code here, to run repeatedly:

}