const int trigPin = 9;

const int echoPin = 10;

long duration;

int distanceCm, distanceInch;

void setup()

{

Serial.begin(9600);

pinMode(trigPin, OUTPUT);

pinMode(echoPin, INPUT);

pinMode(6, OUTPUT); // Connect LED Pin D6

pinMode(5, OUTPUT); // Connect Buzzer Pin D5

}

void loop()

{

digitalWrite(trigPin, LOW);

delayMicroseconds(2);

digitalWrite(trigPin, HIGH);

delayMicroseconds(10);

digitalWrite(trigPin, LOW);

duration = pulseIn(echoPin, HIGH);

distanceCm= duration\*0.034/2;

distanceInch = duration\*0.0133/2;

Serial.println("Distance: ");

Serial.println(distanceCm);

delay (100);

// See the Ultrasonic Sensor Value in Serial Monitor

if(distanceCm < 25) // You can Change the value

{

digitalWrite(5, HIGH); // Buzzer ON

digitalWrite(6, HIGH); // LED ON

}

else

{

digitalWrite(5,LOW); // Buzzer OFF

digitalWrite(6,LOW); // LED OFF

}

}