const int pinTrigger = 8;

const int pinEcho = 7;

const int pinSpeaker = 12;

void setup()

{

Serial.begin(9600);

pinMode(pinTrigger, OUTPUT);

pinMode(pinEcho, INPUT);

pinMode(pinSpeaker, OUTPUT);

}

void loop()

{

digitalWrite(pinTrigger, LOW);

delayMicroseconds(10);

digitalWrite(pinTrigger, HIGH);

int distance = pulseIn(pinEcho, HIGH)/58;

if(distance <= 110 && distance >= 70)

{

digitalWrite(pinSpeaker,HIGH);

delay(500);

digitalWrite(pinSpeaker,LOW);

delay(450);

}

delay(100);

if(distance <= 70 && distance >= 30)

{

digitalWrite(pinSpeaker, LOW);

delay(100);

digitalWrite(pinSpeaker, HIGH);

delay(150);

}

else if(distance <= 30 && distance>=0)

{

digitalWrite(pinSpeaker, LOW);

delay(20);

digitalWrite(pinSpeaker, HIGH);

delay(5);

}

else

{

digitalWrite(pinSpeaker, LOW);

}

}