const int trigpin =5;

const int echopin=18;

#define sound\_speed 0.034 // cm/us

long duration;

float distance;

void setup() {

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

Serial.begin(115200);

pinMode(trigpin,OUTPUT);

pinMode (echopin,INPUT);

}

void loop() {

digitalWrite(trigpin,LOW);

//delayMicroseconds(10);

digitalWrite(trigpin,HIGH);

delayMicroseconds(10);

digitalWrite(trigpin,LOW);

duration =pulseIn(echopin,HIGH);

distance= duration\*sound\_speed/2;

Serial.println("distance"+String (distance) +"cm");

if(distance<100)

{

Serial.println("alert");

}

else

Serial.println("no object near");

}

