**Ultrasonic Sensor**

int trigpin=2;

int echopin=3;

void setup()

{

pinMode(trigpin,OUTPUT);

pinMode(echopin,OUTPUT);

Serial.begin(9600);

}

void loop()

{

digitalWrite(trigpin,HIGH);

delay(10000);

digitalWrite(trigpin,LOW);

float duration=pulseIn(echopin,HIGH);

float distance=duration\*0.0343/2;

Serial.print("the distance is ");

Serial.println(distance);