#define trigPin 2

#define echoPin 4

#define btrigPin 7

#define bechoPin 8

#define LED 13

#define LED2 12

void setup() {

Serial.begin (9600);

pinMode(trigPin, OUTPUT);

pinMode(echoPin, INPUT);

pinMode(btrigPin, OUTPUT);

pinMode(bechoPin, INPUT);

pinMode(LED, OUTPUT);

pinMode(LED2, OUTPUT);

}

void loop() {

int duration, distance;

digitalWrite(trigPin, HIGH);

delayMicroseconds(1000);

digitalWrite(trigPin, LOW);

duration = pulseIn(echoPin, HIGH);

distance = (duration/2) / 29.1;

int bduration, bdistance;

digitalWrite(btrigPin, HIGH);

delayMicroseconds(1000);

digitalWrite(btrigPin, LOW);

bduration = pulseIn(bechoPin, HIGH);

bdistance = (bduration/2) / 29.1;

if (distance >= 3 && distance <= 50)

{

Serial.print(distance);

Serial.println(" cm");

digitalWrite(LED, HIGH);

}

if (bdistance >= 3 && bdistance <= 50)

{

digitalWrite(LED2, HIGH);

}

else {

Serial.println("Out of range");

digitalWrite(LED, LOW);

digitalWrite(LED2, LOW);

}

delay(500);

}#define trigPin 2

#define echoPin 4

#define btrigPin 7

#define bechoPin 8

#define LED 13

#define LED2 12

void setup() {

Serial.begin (9600);

pinMode(trigPin, OUTPUT);

pinMode(echoPin, INPUT);

pinMode(btrigPin, OUTPUT);

pinMode(bechoPin, INPUT);

pinMode(LED, OUTPUT);

pinMode(LED2, OUTPUT);

}

void loop() {

int duration, distance;

digitalWrite(trigPin, HIGH);

delayMicroseconds(1000);

digitalWrite(trigPin, LOW);

duration = pulseIn(echoPin, HIGH);

distance = (duration/2) / 29.1;

int bduration, bdistance;

digitalWrite(btrigPin, HIGH);

delayMicroseconds(1000);

digitalWrite(btrigPin, LOW);

bduration = pulseIn(bechoPin, HIGH);

bdistance = (bduration/2) / 29.1;

if (distance >= 3 && distance <= 50)

{

Serial.print(distance);

Serial.println(" cm");

digitalWrite(LED, HIGH);

}

if (bdistance >= 3 && bdistance <= 50)

{

digitalWrite(LED2, HIGH);

}

else {

Serial.println("Out of range");

digitalWrite(LED, LOW);

digitalWrite(LED2, LOW);

}

delay(500);

}