**Code of this project**

// defines pins numbers

const int trigPin = 9;

const int echoPin = 10;

const int buzzer = 11;

const int ledPin = 13;

const int trigPin2 = 4;

const int echoPin2 = 5;

const int ledPin2 = 8;

// defines variables

long duration;

int distance;

int safetyDistance;

long duration2;

int distance2;

int safetyDistance2;

void setup() {

pinMode(trigPin, OUTPUT); // Sets the trigPin as an Output

pinMode(echoPin, INPUT); // Sets the echoPin as an Input

pinMode(buzzer, OUTPUT);

pinMode(ledPin, OUTPUT);

pinMode(trigPin2, OUTPUT); // Sets the trigPin as an Output

pinMode(echoPin2, INPUT); // Sets the echoPin as an Input

pinMode(ledPin2, OUTPUT);

Serial.begin(9600); // Starts the serial communication

}

void loop() {

// Clears the trigPin

digitalWrite(trigPin, LOW);

delayMicroseconds(2);

// Sets the trigPin on HIGH state for 10 micro seconds

digitalWrite(trigPin, HIGH);

delayMicroseconds(10);

digitalWrite(trigPin, LOW);

// Reads the echoPin, returns the sound wave travel time in microseconds

duration = pulseIn(echoPin, HIGH);

// Calculating the distance

distance= duration\*0.034/2;

// sensor 2

// Clears the trigPin

digitalWrite(trigPin2, LOW);

delayMicroseconds(2);

// Sets the trigPin on HIGH state for 10 micro seconds

digitalWrite(trigPin2, HIGH);

delayMicroseconds(10);

digitalWrite(trigPin2, LOW);

// Reads the echoPin, returns the sound wave travel time in microseconds

duration2 = pulseIn(echoPin2, HIGH);

// Calculating the distance

distance2= duration2\*0.034/2;

if (distance <=10){

digitalWrite(ledPin, LOW);

digitalWrite(ledPin2, HIGH);

digitalWrite(buzzer, HIGH);

delay(2000);

digitalWrite(buzzer, LOW);

delay(2000);

digitalWrite(ledPin2, HIGH);

}

else{

digitalWrite(buzzer, LOW);

digitalWrite(ledPin,HIGH );

digitalWrite(ledPin2, LOW);

}

if (distance2 <=10){

digitalWrite(ledPin, LOW);

digitalWrite(ledPin2, HIGH);

delay(50);

digitalWrite(ledPin2, LOW);

delay(50);

}

else{

digitalWrite(ledPin,HIGH );

digitalWrite(ledPin2, LOW);

}

// Prints the distance on the Serial Monitor

Serial.print("Distance: ");

Serial.println(distance);

Serial.print("Distance2: ");

Serial.println(distance2);