

WhatsApp sketch.ino - Wokwi Arduino and IBM

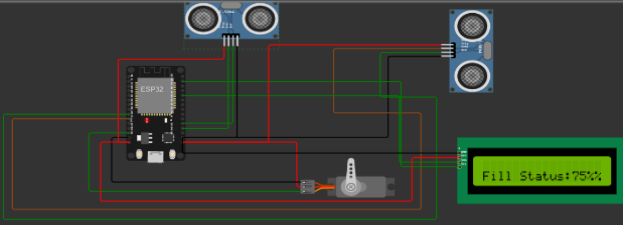
wokwi.com/projects/348505403990999635

WOKWI SAVE SHARE sketch.ino Docs

sketch.ino diagram.json libraries.txt Library Manager Simulation

```
1 #include <ESP32Servo.h>
2 #include <LiquidCrystal_I2C.h>
3 LiquidCrystal_I2C LCD = LiquidCrystal_I2C(0x27, 16,
4 Servo servo;
5 int trigPin1 = 2;
6 int echoPin1 = 4;
7 int trigPin2 = 27;
8 int echoPin2 = 26;
9 int duration1;
10 int distance1;
11 int duration2;
12 int distance2;
13 //Servo servo;
14 void setup(){
15   LCD.begin(16,2);
16   LCD.init();
17   LCD.backlight();
18   LCD.clear();
19   servo.attach(13);
20   Serial.begin(115200);
21   pinMode(trigPin1, OUTPUT);
22   pinMode(echoPin1, INPUT);
23   pinMode(trigPin2, OUTPUT);
24   pinMode(echoPin2, INPUT);
25   //lcd.init();
26 }
27 void loop() {
28   if(distance1 < 10){
29     digitalWrite(trigPin1, LOW);
30     delayMicroseconds(2);
31     digitalWrite(trigPin1, HIGH);
32     delayMicroseconds(10);
33     digitalWrite(trigPin1, LOW);
34     duration1 = pulseIn(echoPin1, HIGH);
35     distance1 = duration1 / 2 * 0.0343;
36     Serial.print("The lid is closed\n");
37     Serial.print("Bin status:");
38     Serial.print(distance1);
39     Serial.println("%");
40     delay(500);
41   }
42   if(distance2 < 10){
43     digitalWrite(trigPin2, LOW);
44     delayMicroseconds(2);
45     digitalWrite(trigPin2, HIGH);
46     delayMicroseconds(10);
47     digitalWrite(trigPin2, LOW);
48     duration2 = pulseIn(echoPin2, HIGH);
49     distance2 = duration2 / 2 * 0.0343;
50     Serial.print("The lid is closed\n");
51     Serial.print("Bin status:");
52     Serial.print(distance2);
53     Serial.println("%");
54     delay(500);
55   }
56 }
```

Editing Ultrasonic Distance Sensor  
Distance: 9cm



The lid is closed  
Bin status:75%  
The lid is closed  
Bin status:75%  
The lid is closed  
Bin status:75%  
The lid is closed

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