

Circuit Code Simulation

Service Details | IBM Watson | IBM | IBM-Project-2 | (10) WhatsApp | IBM-Project-1 | Circuit Code | New ESP32 | sketchino - V |

wokwi.com/projects/new/esp32

RAJALAKSHMI INST... IBM Cloud - India | Webmail Login

WOKWI SAVE SHARE Docs

sketchino • diagram.json • libraries.txt • Library Manager

```
48 }
49 LCD.setCursor(0,1);
50 LCD.print("Fill Status: ");
51
52 if(distance2>300 && distance2<=400){
53   LCD.setCursor(12,1);
54   LCD.print("25% ");
55   Serial.println("Bin status:25%");
56 }
57
58 else if(distance2 > 200 && distance2<= 299){
59   LCD.setCursor(12,1);
60   LCD.print("50%");
61   Serial.println("Bin status:50%");
62 }
63
64 else if(distance2 >50 && distance2<=199){
65   LCD.setCursor(12,1);
66   LCD.print("75%");
67   Serial.println("Bin status:75%");
68 }
69
70 else{
71   LCD.setCursor(12,1);
72   LCD.print("100%");
73   Serial.println("Bin status:100%");
74 }
75
76 if(distance1<=50){
77   servo.write(90);
78 }
79
80 else{
81   servo.write(0);
82 }
```

Simulation

00:25.281 90%

The lid is open
Bin status:100%
The lid is open
Bin status:100%
The lid is open
Bin status:100%
The lid is open

Type here to search

79% 26°C 09:59 17-11-2022

Service Details | IBM Watson IoT | IBM | IBM-Project-227 | (10) WhatsApp | IBM-Project-190 | Circuit Code.pdf | New ESP32 Project |

wokwi.com/projects/new/esp32

RAJALAKSHMI INST... IBM Cloud - India | Webmail Login

WOKWI SAVE SHARE Docs

sketchino • diagram.json • Library Manager

```
1 #include <ESP32Servo.h>
2 #include <LiquidCrystal_I2C.h>
3 LiquidCrystal_I2C LCD = LiquidCrystal_I2C(0x27, 16, 2);
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);
```

Simulation

Type here to search

81% 26°C 09:55 17-11-2022