

(2) WhatsApp x Circuit design Spectacular Lappi x

tinkercad.com/things/kr3SzPFz0h6-spectacular-lappi/editel?tenant=circuits

Spectacular Lappi

All changes saved

Code Start Simulation Send To

Text

```
1 #define echoPin 2
2 #define trigPin 3
3
4 long duration;
5 int distance;
6
7 void setup()
8 {
9   pinMode(trigPin, OUTPUT);
10  pinMode(echoPin, INPUT);
11  Serial.begin(9600);
12 }
13 void loop()
14 {
15
16   // clears the trigpin condition
17   digitalWrite(trigPin, LOW);
18   delayMicroseconds(2);
19   // sets the trigPin HIGH (ACTIVE) for 10 microseconds
20   digitalWrite(trigPin, HIGH);
21   delayMicroseconds(10); digitalWrite(trigPin, LOW);
22   // Reads the echopin, returns the sound wave travel time in microseconds
23   duration = pulseIn(echoPin, HIGH);
24   // calculating the distance
25   distance = duration * 0.034 / 2; // speed of sound wave divided by 2
26   // Displays the distance on the Serial Monitor
27   Serial.print("Distance: ");
28   Serial.print(distance);
29   Serial.println(" cm");
30 }
```

Serial Monitor