CONNECTIONS IN WOKWI FOR ULTRASONIC SENSOR

CODE

Ultrasonic Simple

Prints the distance read by an ultrasonic sensor in centimeters. They are supported to four pins ultrasound sensors (liek HC-SC04) and three pins (like PING))) and Seeed Studio sensors).

The circuit:

* * Module HR-SC04 (four pins) or PING))) (and other with three pins), attached to digital pins as follows:

```
_____
 | HC-SC04 | Arduino | | 3 pins | Arduino |
 | Vcc | 5V | | Vcc | 5V |
 | Trig | 12 | OR | SIG | 13 |
 | Echo | 13 | | Gnd | GND |
 | Gnd | GND | -----
 _____
#include "Ultrasonic.h"
 Pass as a parameter the trigger and echo pin, respectively,
 or only the signal pin (for sensors 3 pins), like:
 Ultrasonic ultrasonic(13);
*/
Ultrasonic ultrasonic(12, 13);
int distance;
void setup() {
 Serial.begin(9600);
```

```
}
void loop() {
 // Pass INC as a parameter to get the distance in inches
 distance = ultrasonic.read(CM);
 Serial.print("Distance in CM: ");
 Serial.println(distance);
 distance = ultrasonic.read(INC);
 Serial.print("Distance in Inches: ");
 Serial.println(distance);
 delay(1000);
Diagram.json:
 "version": 1,
 "author": "PAVITHRA K",
 "editor": "wokwi",
 "parts": [
  { "type": "wokwi-arduino-uno", "id": "uno", "top": 88.67, "left": -30, "attrs": { } },
  { "type": "wokwi-hc-sr04", "id": "ultrasonic1", "top": -88.09, "left": -64.33, "attrs": {} }
 ],
 "connections": [
  ["ultrasonic1:VCC", "uno:5V", "red", ["v33.74", "h-107.21", "v292.8", "h230"]],
  ["ultrasonic1:TRIG", "uno:12", "green", ["v59.84", "h90.43", "v1.63"]],
  ["ultrasonic1:ECHO", "uno:13", "magenta", ["v69.63", "h4.25"]],
  ["ultrasonic1:GND", "uno:GND.1", "black", ["v42.72", "h51.82", "v-0.82"]]
 1
```

