

ASSiGNMENT-4

DISTANCE MEASUREMENT USING ULTRASONIC SENSOR

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MARK	2 Marks

Question 1;

Write code conections in wokwi for ultrasonic sensors.wherever distance is less than 200 cms send “alert” to ibm cloud and dispay in device recent events

SEE MY PROJECT IN WOKWI BY USING THIS LINK

<https://wokwi.com/projects/312346565007114818>

CODE;

```
#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);  
}
```

IBM-Project-5018-1658745359 // X

hc-sr04-Ultrasonic-Simulation... X

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🔒 <https://wokwi.com/projects/312346565007114818>

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WOKWI

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Docs

SIGN IN

hc-sr04-Ultrasonic-Simulation.ino

diagram.json

Ultrasonic.h

Ultrasonic.cpp

Library Manager

33 by ERICK SIMOES (github: @ericksimoes | twitter: @AIOERICKSIMOES)

34

35 This example code is released into the MIT License.

36 */

37

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39

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42 or only the signal pin (for sensors 3 pins), like:

43 Ultrasonic ultrasonic(13);

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55 distance = ultrasonic.read(CM);

56

57 Serial.print("Distance in CM: ");

58 Serial.println(distance);

59

60 distance = ultrasonic.read(INC);

61

Simulation

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Distance in CM: 104

Distance in Inches: 41

Distance in CM: 105

Distance in Inches: 41

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