CONNECTIONS IN WOKWI FOR ULTRASONIC SENSOR

CODE:

Sketch.ino:

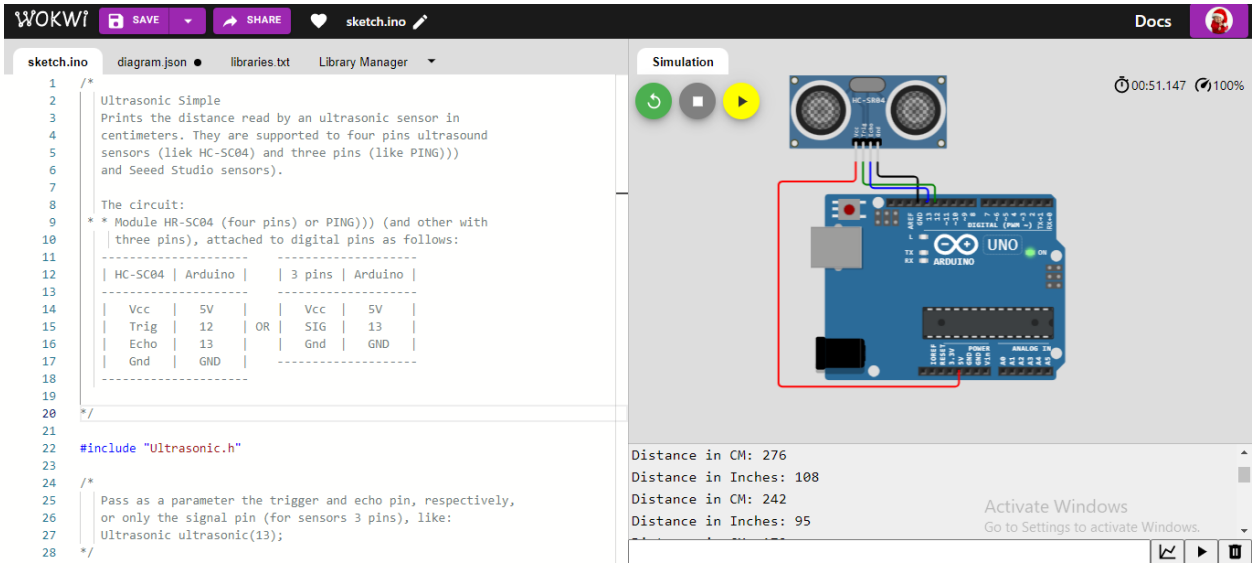
```
/*
Ultrasonic Simple
Prints the distance read by an ultrasonic sensor in
centimeters. They are supported to four pins ultrasound
sensors (liek HC-SC04) and three pins (like PING)))
and Seeed Studio sensors).
The circuit:
* * Module HR-SC04 (four pins) or PING))) (and other with
three pins), attached 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;
```

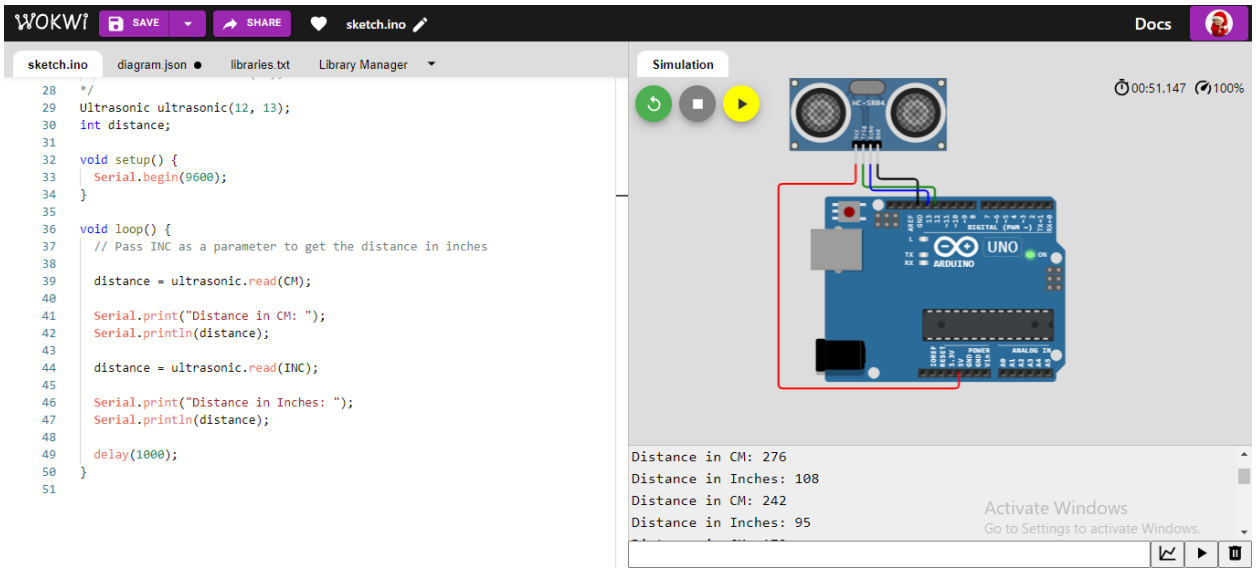
```
void setup() {
  Serial.begin(9600);
}

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": "KEERTHANA P",
  "editor": "wokwi",
  "parts": [
    { "type": "wokwi-arduino-uno", "id": "uno", "top": 64.67, "left": 53.33, "attrs": {} },
    { "type": "wokwi-hc-sr04", "id": "ultrasonic1", "top": -63.04, "left": 30, "attrs": {} }
  ],
  "connections": [
    [ "ultrasonic1:VCC", "uno:5V", "red", [ "v20.58", "h-83.56", "v221.33", "h194.67" ] ],
    [ "ultrasonic1:GND", "uno:GND.1", "black", [ "v15.24", "h42.11" ] ],
    [ "ultrasonic1:ECHO", "uno:13", "green", [ "v17.24", "h-1.34", "v3.33", "h63.33" ] ],
    [ "ultrasonic1:TRIG", "uno:12", "green", [ "v23.91", "h77.89", "v2.67" ] ]
  ]
}
```

OUTPUT:





LINK:https://wokwi.com/projects/346962674371789396