ASSIGNMENT 4

Date	25 October 2022
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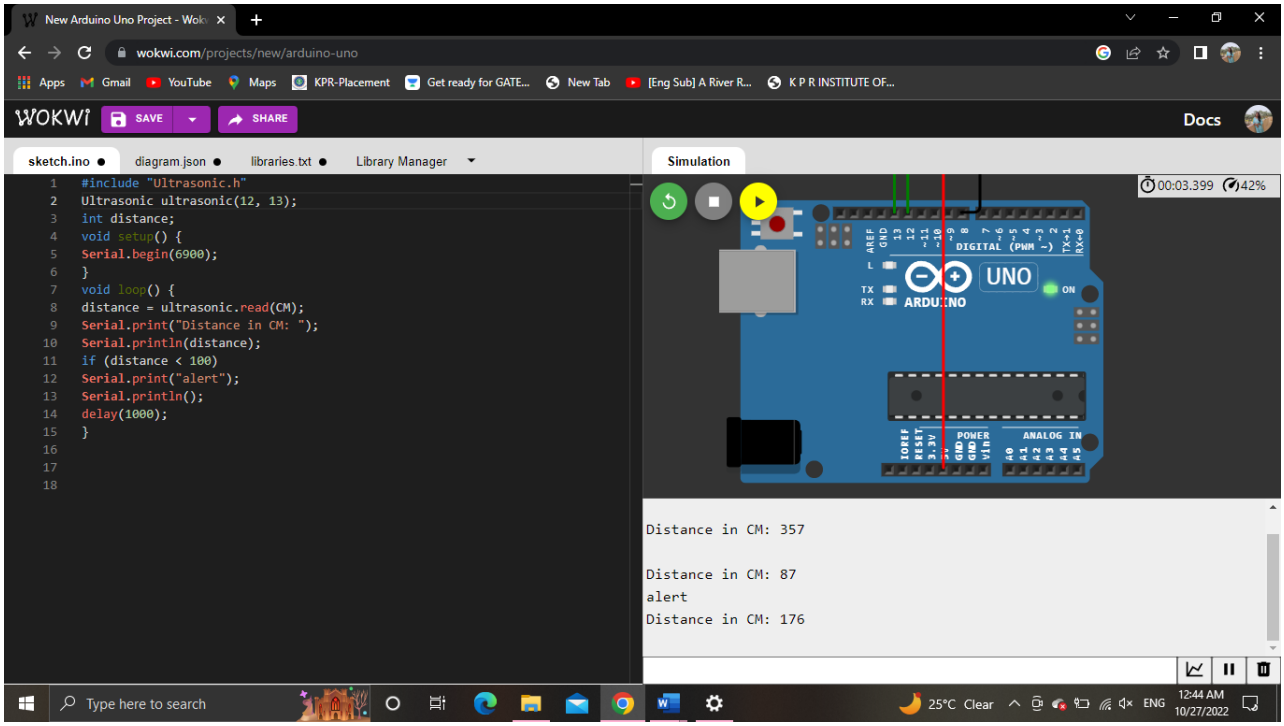
Write code and connections in wowki for ultrasonic sensor. Whenever distance is less than 100cms send "alert" to ibm cloud and display in device recent events.

PROGRAM CODE:

```
#include "Ultrasonic.h"
Ultrasonic ultrasonic(12, 13);
int distance;
void setup() {
Serial.begin(6900);
}
void loop() {
distance = ultrasonic.read(CM);
Serial.print("Distance in CM: ");
Serial.println(distance);
if (distance < 100)
Serial.print("alert");
Serial.println();
delay(1000);
}
```

OUTPUT:


New Arduino Uno Project - Wok
wokwi.com/projects/new/arduino-uno
WOKWI
SAVE
SHARE
Docs
sketch.ino
diagram.json
libraries.txt
Library Manager
Simulation
00:03.399
42%
#include "Ultrasonic.h"
Ultrasonic ultrasonic(12, 13);
int distance;
void setup() {
Serial.begin(6900);
}
void loop() {
distance = ultrasonic.read(CM);
Serial.print("Distance in CM: ");
Serial.println(distance);
if (distance < 100)
Serial.print("alert");
Serial.println();
delay(1000);
}
Distance in CM: 357
Distance in CM: 87
alert
Distance in CM: 176
Type here to search
25°C Clear
ENG
12:44 AM
10/27/2022