ASSIGNMENT 4

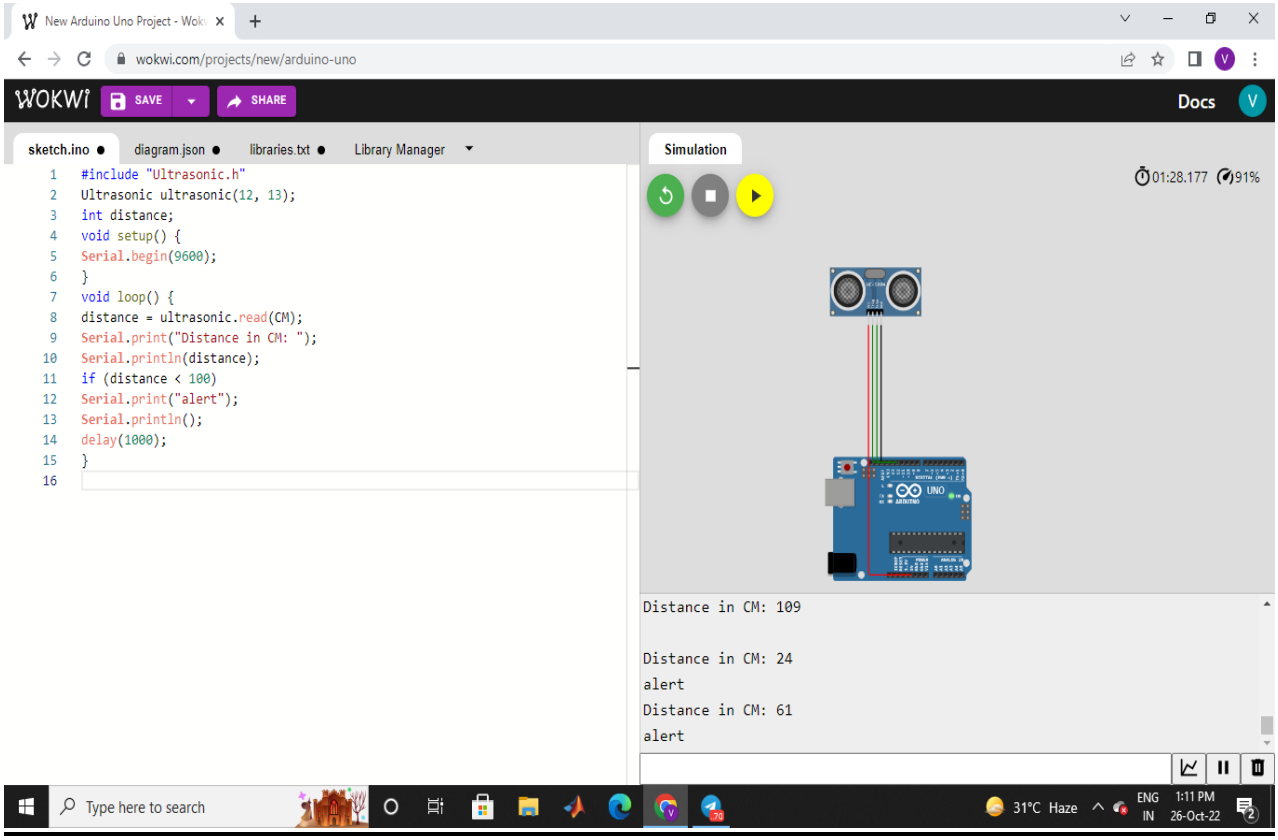
Date	25 October 2022
Team ID	PNT2022TMID14459
Roll No	711319EC122

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(9600);
}
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
#include "Ultrasonic.h"
Ultrasonic ultrasonic(12, 13);
int distance;
void setup() {
Serial.begin(9600);
}
void loop() {
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Serial.print("Distance in CM: ");
Serial.println(distance);
if (distance < 100)
Serial.print("alert");
Serial.println();
delay(1000);
}
Simulation
01:28.177
91%
Distance in CM: 109
Distance in CM: 24
alert
Distance in CM: 61
alert
Type here to search
31°C Haze
ENG
IN
1:11 PM
26-Oct-22