ASSIGNMENT 4

Date	10 November 2022
Team ID	PNT2022TMID29465
Batch	BE-2M4E

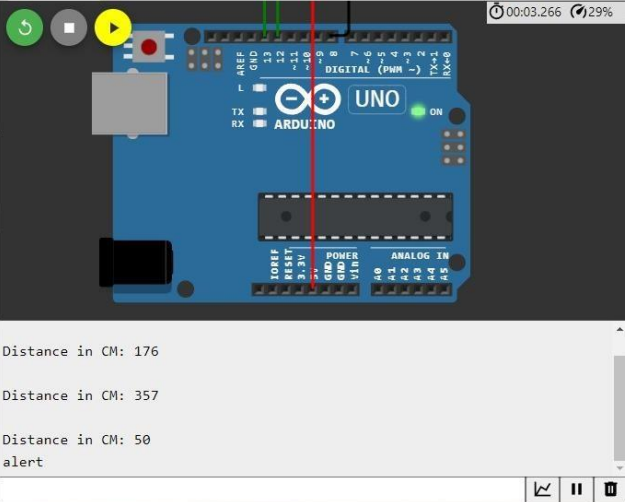**Write code and connections in wowki for ultrasonic sensor.**

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(9809);
}
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:

```
1   #include "Ultrasonic.h"
2   Ultrasonic ultrasonic(12, 13);
3   int distance;
4   void setup() {
5   Serial.begin(9809);
6   }
7   void loop() {
8   distance = ultrasonic.read(CM);
9   Serial.print("Distance in CM: ");
10  Serial.println(distance);
11  if (distance < 100)
12  Serial.print("alert");
13  Serial.println();
14  delay(1000);
15  }
16
17
18
```

Distance in CM: 176

Distance in CM: 357

Distance in CM: 50
alert