ASSIGNMENT 4

Date	07 November 2022
Team ID	PNT2022TMID47394
Roll No	830119106047

Write code and connections in wowki for ultrasonic sensor.

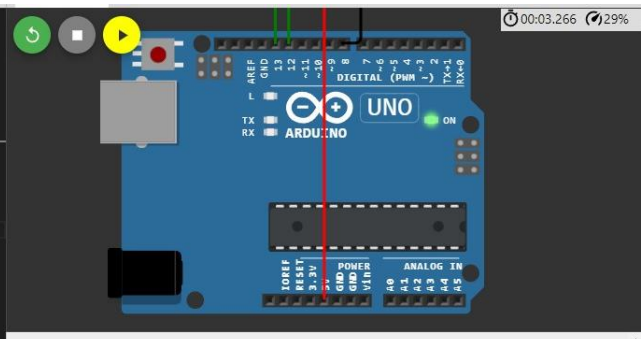
Whenever distance is less than 100cms send "alert" to ibm cloud and display in device recent events.

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:

```
#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);
}
```




```
Distance in CM: 176

Distance in CM: 357

Distance in CM: 50
alert
```