## Nalaiya Thiran (IBM)

## **ASSIGNMENT - 4**

Write code and connections in wokwi for ultrasonic sensor. Whenever distance is less than 100cms, send "alert" to IBM Cloud and display in device recent events.

## 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);
}</pre>
```

## **Output:**

