ASSIGNMENT-4

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MAXIMUM MARKS	2 Marks

Question 1

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

Program:

```
#include "Ultrasonic.h"

/*
  Pass as a parameter the trigger and echo pin, respectively,

  or only the signal pin (for sensors 3 pins), like:

  Ultrasonic ultrasonic(13);
*/
Ultrasonic ultrasonic(12, 13);

int distance;

void setup() {
  Serial.begin(9600);
}

void loop() {
  // Pass INC as a parameter to get the distance in inches

  distance = ultrasonic.read(CM);

  Serial.print("Distance in CM: ");
  Serial.println(distance);

  distance = ultrasonic.read(INC);
```

```
  Serial.print("Distance in Inches: ");
  Serial.println(distance);


  delay(1000);
}
```