ASSIGNMENT-4

DATE	22 October 2022
TEAM ID	PNT2022TMID51935
PROJECT NAME	SMART WASTE MANAGEENT FOR METROPOLITAN CITIES-IOT
MARKS	2 Marks

QUESTION :

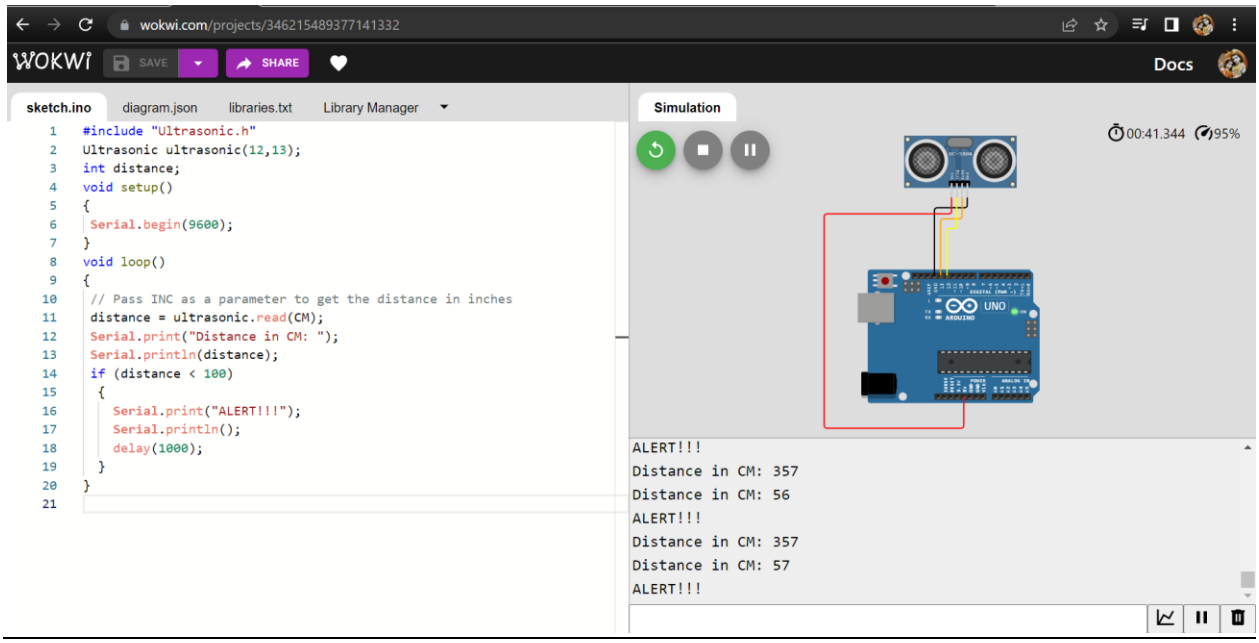
Write code and connections in wokwi for ultrasonic sensor. Whenever distance is less than 100 cms send “alert” to IBM cloud and display in device recent events.

CODE :

```
#include "Ultrasonic.h"

Ultrasonic ultrasonic(12,13);

int distance;

void setup()

{

 Serial.begin(9600);

}

void loop()

{

 // Pass INC as a parameter to get the distance in inches

 distance = ultrasonic.read(CM);

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

 Serial.println(distance);

 if (distance < 100)

  {

    Serial.print("ALERT!!!");

    Serial.println();

    delay(1000);

  }
```

}

OUTPUT :



Link : https://wokwi.com/projects/346215489377141332