Assignment -4

Assignment Date	27 October 2022
Student Name	Mr. Gopalakrishnan T
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Maximum Marks	2 Marks

Question:

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.

Solution:

Code:

```
#include "Ultrasonic.h"
Ultrasonic ultrasonic(6,2);
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(3000);

}
```
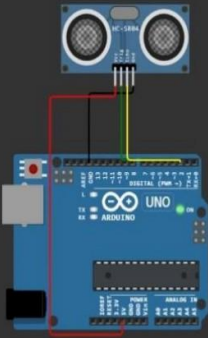
Output:


```
#include "Ultrasonic.h"
Ultrasonic ultrasonic(6,2);
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(3000);
}
```

Distance in CM: 317

Distance in CM: 162

Distance in CM: 47
alert