

ASSIGNMENT 4

Date	29th October 2022
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Roll No	910019106032
Project Name	Project:- Signs With Smart Connectivity For Better Safety

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

Program 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);
```

```
}
```

