

Team ID	PNT2022TMID27063
Project Name	Project - IoT-Based Safety Gadget for Child Safety Monitoring and Notification
Reg No	310819106072
Name	Sanjay Anand L

Code:

```
#include "Ultrasonic.h"

Ultrasonic ultrasonic(12, 13);

int distance;

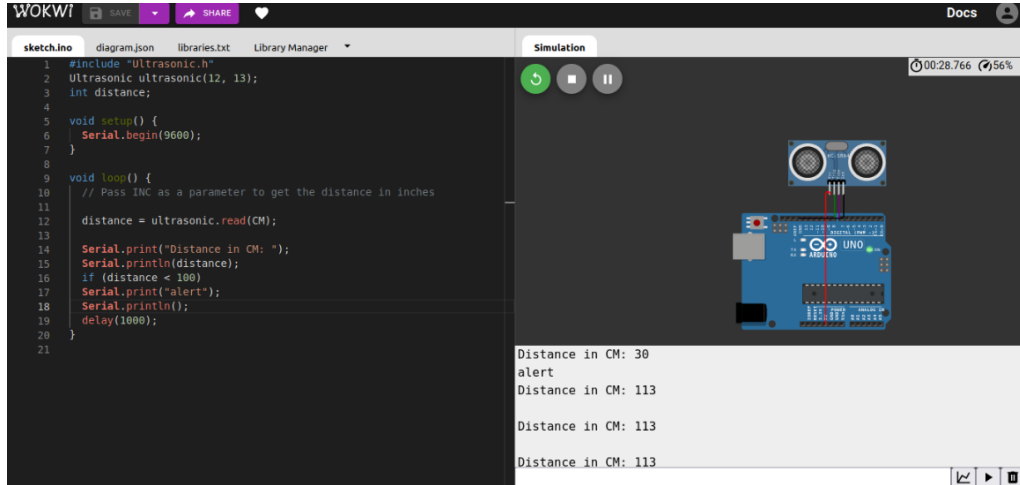
void setup() {
    Serial.begin(9600);
}

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:



```
1 #include "Ultrasonic.h"
2 Ultrasonic ultrasonic(12, 13);
3 int distance;
4
5 void setup() {
6   Serial.begin(9600);
7 }
8
9 void loop() {
10  // Pass INC as a parameter to get the distance in inches
11  distance = ultrasonic.read(CM);
12
13  Serial.print("Distance in CM: ");
14  Serial.println(distance);
15  if (distance < 100)
16    Serial.print("alert");
17    Serial.println();
18    delay(1000);
19  }
20
21
```

Simulation

Distance in CM: 30
alert
Distance in CM: 113
Distance in CM: 113
Distance in CM: 113