

Final code output

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Team ID	PNT2022TMID54092
Project Name	Gas leakage monitoring and alerting system for industries

The screenshot displays the Tinkercad web interface. On the left, a circuit diagram shows an Arduino Uno R3 connected to an LCD screen, a buzzer, and a gas sensor module. The code editor on the right contains the following C++ code:

```
1 #include <LiquidCrystal.h>
2
3 LiquidCrystal lcd(5,6,8,9,10,11);
4
5 int redled = 2;
6 int greenled = 3;
7 int buzzer = 4;
8 int sensor = A0;
9 int sensorThresh = 400;
10
11 void setup()
12 {
13   pinMode(redled, OUTPUT);
14   pinMode(greenled, OUTPUT);
15   pinMode(buzzer, OUTPUT);
16   pinMode(sensor, INPUT);
17   Serial.begin(9600);
18   lcd.begin(16,2);
19 }
20
21 void loop()
22 {
23   int analogValue = analogRead(sensor);
24   Serial.print(analogValue);
25   if (analogValue > sensorThresh)
26   {
27     digitalWrite(redled, HIGH);
28     digitalWrite(greenled, LOW);
29     tone(buzzer, 1000, 10000);
30     lcd.clear();
31   }
32 }
```

The bottom of the image shows a Windows taskbar with the system clock at 09:13 PM on 12-11-2022.





