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| Date | 29 October 2022 |
| Team ID | PNT2022TMID21596 |
| Project Name | Gas Leakage Monitoring And Alerting System |

```
#include <LiquidCrystal.h>

LiquidCrystal
lcd(5,6,8,9,10,11);int redled =
2;
int greenled = 3;
int buzzer = 4;
int sensor = A0;
int sensorThresh = 400;
void setup()
{
pinMode(redled, OUTPUT);
pinMode(greenled,OUTPUT)
;pinMode(buzzer,OUTPUT);
pinMode(sensor,INPUT);
Serial.begin(9600);
lcd.begin(16,2);
}
```

```
void loop()
{
  int analogValue = analogRead(sensor);
  Serial.print(analogValue);
  if(analogValue>sensorThresh)
  {
    digitalWrite(redled,HIGH);
    digitalWrite(greenled,LOW)
    ;tone(buzzer,1000,10000);
    lcd.clear();
    lcd.setCursor(0,1);
    lcd.print("ALERT");
    delay(1000);
    lcd.clear();
    lcd.setCursor(0,1);
    lcd.print("EVALUAT
E");delay(1000);
  }
  else
  {
    digitalWrite(greenled,HIGH);
```

```
digitalWrite(redled,LOW)
;noTone(buzzer);
lcd.clear();
lcd.setCursor(0,0);
lcd.print("SAFE");
delay(1000);
lcd.clear();
lcd.setCursor(0,1);
lcd.print("ALL
CLEAR");
delay(1000);
}
}
```