#include <LiquidCrystal.h>

const int rs = 2, en = 3, d4 = 4, d5 = 5, d6 = 6, d7 = 7;  
LiquidCrystal lcd(rs, en, d4, d5, d6, d7);  
int sensorValue;  
int buzzer =9;  
void setup()  
{  
 Serial.begin(9600);      // sets the serial port to 9600  
lcd.begin(16, 2);  
pinMode(buzzer,OUTPUT);  
}  
   
void loop()  
{  
 sensorValue=analogRead(A0);  
 sensorValue=sensorValue/10;  
Serial.print("    Gas    ");  
Serial.println(sensorValue);  
 lcd.clear();  
    lcd.print(" Gas   Value ");  
    lcd.setCursor(0, 1);  
    lcd.print("    ");  
    lcd.print(sensorValue);lcd.print(" %");

    if(sensorValue>50)  
    {  
      lcd.clear();  
    lcd.print("Gas Leakage ");  
    lcd.setCursor(0,1);  
    lcd.print("  Danger");  
    digitalWrite(buzzer,HIGH);  
    }  
    else  
    digitalWrite(buzzer,LOW);  
      
 delay(100);                        // wait 100ms for next reading  
}