

TEAM ID	PNT2022TMID44567
PROJECT NAME	GAS LEAKAGE MONITORING & ALERTING SYSTEM FOR INDUSTRIES
DATE	13 NOVEMBER 2022

PROGRAM TO DETECT THE TEMPERATURE

```
#include <LiquidCrystal.h>

LiquidCrystal lcd(5,6,8,9,10,11);

int sensor = A0;

int sensorThresh = 400;

void setup()
{
  pinMode(sensor,INPUT);
  Serial.begin(9600);
  lcd.begin(16,2);
}

void loop()
{
  int analogValue = analogRead(sensor);
  Serial.print(analogValue);
  if(analogValue>sensorThresh)
  {
    lcd.clear();
    lcd.setCursor(0,1);
    lcd.print("ALERT");
    delay(1000);
    lcd.clear();
    lcd.setCursor(0,1);
```

```
    lcd.print("EVACUATE");  
    delay(1000);  
}  
else  
{  
    lcd.clear();  
    lcd.setCursor(0,0);  
    lcd.print("SAFE");  
    delay(1000);  
    lcd.clear();  
    lcd.setCursor(0,1);  
    lcd.print("ALL CLEAR");  
    delay(1000);  
}  
}
```