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| <b>TEAM ID</b>      | PNT2022TMID14295   |
| <b>PROJECT NAME</b> | GAS LEAKAGE MONITORING &<br>ALERTING SYSTEM FOR INDUSTRIES |
| <b>DATE</b>         | 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);  
}  
}
```