CODE FOR GAS LEAKAGE MONITORING
AND ALERTING SYSTEM

Team id:PNT2022TMID51954

```cpp
#include "DHTesp.h"

const int DHT_PIN = 15;

DHTesp dhtSensor;

int buzzer=13;

int led=12;

int led1=14;

void setup() {

  Serial.begin(115200);

  dhtSensor.setup(DHT_PIN, DHTesp::DHT22);

   pinMode(13, OUTPUT);

  pinMode(led, OUTPUT);

  pinMode(led1, OUTPUT);


}

void loop() {

  TempAndHumidity  data = dhtSensor.getTempAndHumidity();

  Serial.println("Temp: " + String(data.temperature, 2) + "°C");

  Serial.println("Humidity: " + String(data.humidity, 1) + "%");

  Serial.println("---");
```

```
   delay(1000);
   if (data.temperature > 50 && data.humidity>30){
    digitalWrite(buzzer,HIGH);
      digitalWrite(led,HIGH);
     digitalWrite(led1,LOW);
   }
   else{
     digitalWrite(buzzer,LOW);
      digitalWrite(led,LOW);
     digitalWrite(led1,HIGH);
    }
}
```
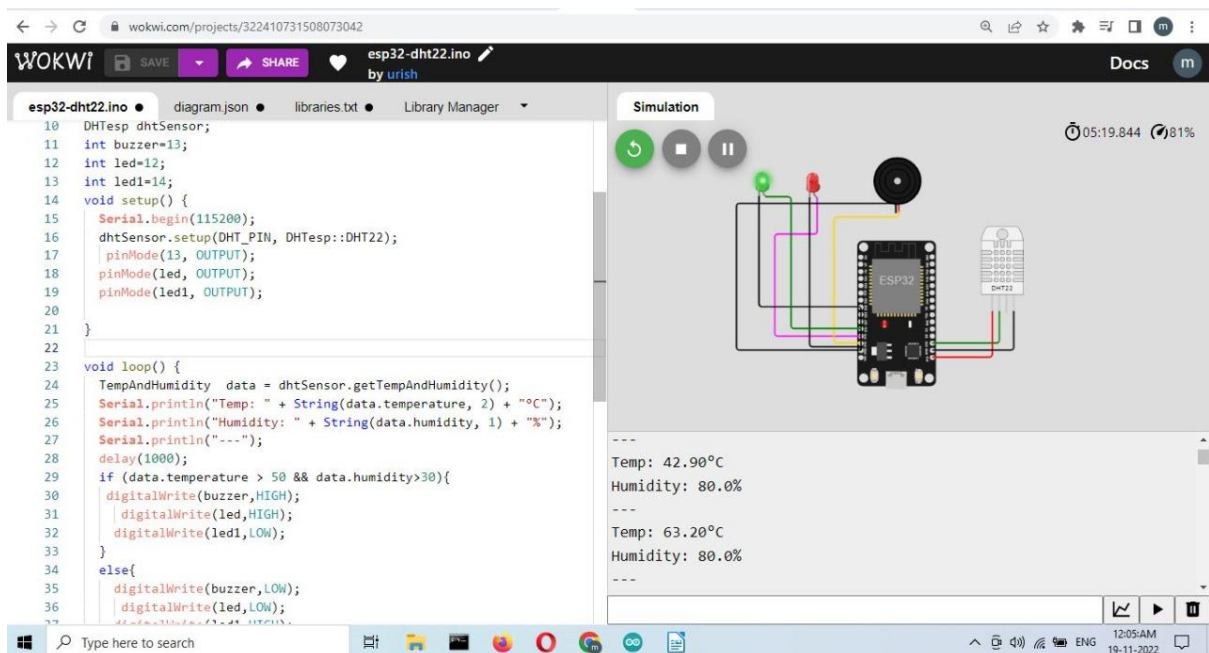
OUTPUT:

Link: https://wokwi.com/projects/322410731508073042