float temp;

float vout;

float vout1;

int LED = 13;

int gasSensor;

int peizo = 7;

void setup(){

pinMode(A0,INPUT);

pinMode(A1,OUTPUT);

pinMode(LED,OUTPUT);

pinMode(peizo,OUTPUT);

Serial.begin(9600);

}

void loop(){

vout = analogRead(A1);

vout1 = (vout/1023)\*5000;

temp = (vout-500)/10;

gasSensor = analogRead(A0);

if(temp>=80)

{

digitalWrite(LED,HIGH);

}

else

{

digitalWrite(LED,LOW);

}

if(gasSensor>=100)

{

digitalWrite(peizo,HIGH);

}

else

{

digitalWrite(peizo,LOW);

}

Serial.print("in DegreeC = ");

Serial.print(" ");

Serial.print(temp);

Serial.print("\t");

Serial.print("GasSensor = ");

Serial.print(" ");

Serial.print(gasSensor);

Serial.println();

delay(1000);

}