

```
float temp;

float vout;

float vout1;

int LED = 13;

int gasSensor;

int piezo = 7;

void setup()

{

  pinMode(A0,INPUT);

  pinMode(A1, INPUT);

  pinMode(LED,OUTPUT);

  pinMode(piezo,OUTPUT);

  Serial.begin(9600);

}

void loop()

{

  vout=analogRead(A1);

  vout1=(vout/1023)*5000;

  temp=(vout1-500)/10;

  gasSensor=analogRead(A0);

  if (temp>=80)

  {

    digitalWrite(LED,HIGH);

  }

  else
```

```
{  
    digitalWrite(LED,LOW);  
}  
if (gasSensor>=100)  
{  
    digitalWrite(piezo,HIGH);  
}  
else  
{  
    digitalWrite(piezo,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);  
}
```

