

```
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,HIGH);  
}  
  
Serial.print("in DegreeC= ");  
Serial.print(" ");  
Serial.print(temp);  
Serial.print("\t");  
Serial.print("gassensor= ");  
Serial.print(" ");  
Serial.print(gassensor);  
Serial.println();  
delay(1000);  
}
```