```
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);
  digitalWrite(piezo,HIGH);
 }
 else
 {
  digitalWrite(LED,LOW);
  digitalWrite(piezo,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);
}
```