





Code



Start Simu

Text



1 (Ar

```
1
2 float temp;
3 float vout;
4 float vout1;
5 int LED =13;
6 int gasSensor;
7 int piezo=7;
8 void setup()
9 {
10     pinMode(A0, INPUT);
11     pinMode(A1, INPUT);
12     pinMode(LED, OUTPUT);
13     pinMode(piezo, OUTPUT);
14     Serial.begin(9600);
15
16 }
17 void loop()
18 {
19     vout=analogRead(A1);
20     vout1=(vout/1023)-5000;
21     temp=(vout1-500)/10;
22     gasSensor=analogRead(A0);
23     if(temp>=80)
24     {
25         digitalWrite(LED, HIGH);
26     }
27     else
28     {
29         digitalWrite(LED, LOW);
30     }
```



Serial Monitor

Text

```
21      temp=(vout1-500)/10;
22      gasSensor=analogRead(A0);
23      if(temp>=80)
24      {
25          digitalWrite(LED,HIGH);
26      }
27      else
28      {
29          digitalWrite(LED,LOW);
30      }
31      if (gasSensor>=100)
32      {
33          digitalWrite(piezo,HIGH);
34      }
35      else
36      {
37          digitalWrite(piezo,LOW);
38      }
39      }
40      Serial.print("in DegreeC= ");
41      Serial.print("");
42      Serial.print(temp);
43      Serial.print("\t");
44      Serial.print("gasSensor= ");
45      Serial.print(" ");
46      Serial.print(gasSensor);
47      Serial.print(" ");
48      delay(1000);
49
50 }
```



Serial Monitor

