



```
// C++ code

//

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);  
}
```