



```
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);
}
```