```
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);
  }
```