```
int LED = 13;
int piezo = 7;
void setup()
{
pinMode(A0,INPUT);
pinMode(A1, INPUT);
pinMode(LED,OUTPUT);
pinMode(piezo,OUTPUT);
Serial.begin(9600);
}
void loop()
{
float vout=analogRead(A1);
float vout1=(vout/1023)*5000;
float temp=(vout1-500)/10;
int gasSensor=analogRead(A0);
if( (temp>=37)&& (gasSensor>=20) )
{
digitalWrite(LED,HIGH);
digitalWrite(piezo,HIGH);
tone(piezo,1000,100);
  delay(900);
}
else
{
digitalWrite(LED,LOW);
digitalWrite(piezo,LOW);
noTone(piezo);
}
Serial.print("in DegreeC= ");
Serial.print(" ");
Serial.print(temp);
Serial.print("\t");
Serial.print("GasSensor= ");
Serial.print(" ");
Serial.print(gasSensor);
Serial.println();
```

```
delay(1000);
}
```