

```
1  int led = 13;
2  int sensor = 2;
3  int temp=A0;
4  int state = LOW;
5  int buzzer=13;
6  int val = 0;
7
8  void setup() {
9      pinMode(led, OUTPUT);
10     pinMode(sensor, INPUT);
11     pinMode(temp,INPUT);
12     pinMode(buzzer,OUTPUT);
13     Serial.begin(9600);
14 }
15
16 void loop(){
17     double temp= analogRead(A0);
18     double c= (((temp/1024)*5)-0.5)*100;
19     Serial.print("Celsius Value");
20     Serial.println(c);
21     delay(1000);
22     if(c>50)
23     {
24         tone(13,30);
25     }
26
27     val = digitalRead(sensor);
28     if (val == HIGH) {
29         digitalWrite(led, HIGH);
30         delay(500);
31
32         if (state == LOW) {
33             state = HIGH;
34         }
35     }
```