79 lines (67 sloc) | 1.07 KB ...

```
int t=2;
int e=3;

void setup()
{
  Serial.begin(9600);
  pinMode(t,OUTPUT);
  pinMode(e,INPUT);
  pinMode(12,OUTPUT);
}

void loop()
{
  //ultrasonic sensor
  digitalWrite(t,LOW);
  digitalWrite(t,HIGH);
  delayMicroseconds(10);
  digitalWrite(t,LOW);
  float dur=pulseIn(e,HIGH);
  float dis=(dur*0.0343)/2;
  Serial.print("Distance is: ");
  Serial.println(dis);

    //LED ON
  if(dis>=100)
  {
    digitalWrite(8,HIGH);
    digitalWrite(7,HIGH);
  }

  //Buzzer For ultrasonic Sensor
```

```
22    Serial.println(dis);
23
24      //LED ON
25    if(dis>=100)
26    {
27      digitalWrite(8,HIGH);
28      digitalWrite(7,HIGH);
29    }
30
31    //Buzzer For ultrasonic Sensor
32    if(dis>=100)
33    {
34    for(int i=0; i<=30000; i=i+10)
35    {
36    tone(12,i);
37    delay(1000);
38    noTone(12);
39    delay(1000);
40    }
41    }
42
43
44
45
46      //Temperate Sensor
47    double a= analogRead(A0);
48    double t=(((a/1024)*5)-0.5)*100;
49    Serial.print("Temp Value: ");
50    Serial.println(t);
51    delay(1000);
52
53
54    //LED ON
55    if(t>=100)
56    {
57      digitalWrite(8,HIGH);
58      digitalWrite(7,HIGH);
59    }
```

```
49      Serial.print("Temp Value: ");
50      Serial.println(t);
51      delay(1000);
52
53
54      //LED ON
55      if(t>=100)
56      {
57        digitalWrite(8,HIGH);
58        digitalWrite(7,HIGH);
59      }
60
61      //Buzzer for Temperature Sensor
62      if(t>=100)
63      {
64      for(int i=0; i<=30000; i=i+10)
65      {
66      tone(12,i);
67      delay(1000);
68      noTone(12);
69      delay(1000);
70      }
71      }
72
73       //LED OFF
74      if(t<100)
75      {
76        digitalWrite(8,LOW);
77        digitalWrite(7,LOW);
78      }
79  }
```