```arduino
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
if(dis>=100)
{
for(int i=0; i<=30000; i=i+10)
{
tone(12,i);
delay(1000);
noTone(12);
delay(1000);
}
}

 //Temperate Sensor
double a=
analogRead(A0);
double t=(((a/1024)*5)-0.5)*100;
Serial.print("Temp Value: ");
Serial.println(t);
delay(1000);

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

```
//Buzzer for Temperature Sensor
if(t>=100)
{
for(int i=0; i<=30000; i=i+10)
{
tone(12,i);
delay(1000);
noTone(12);
delay(1000);
}
}


 //LED OFF
if(t<100)
{
 digitalWrite(8,LOW);
 digitalWrite(7,LOW);
}
}
```