```
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);
 }
}
```