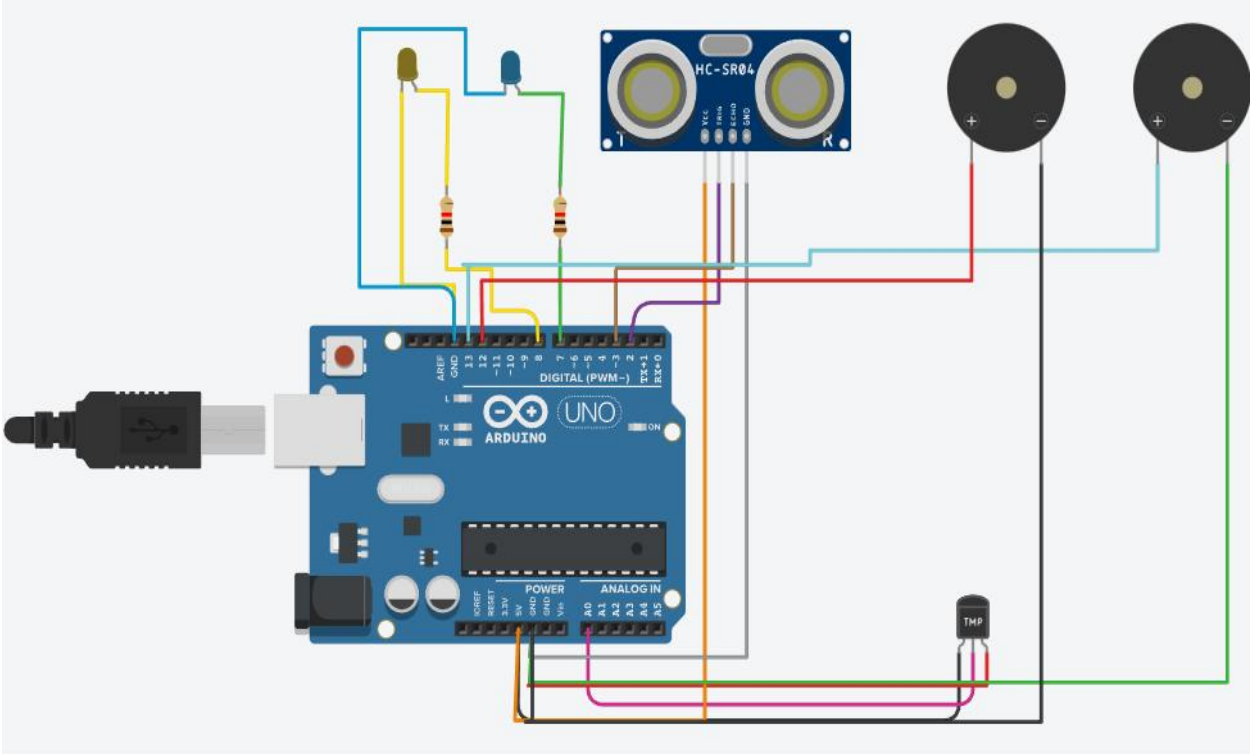

CODE:

```
int t=2;

int e=3;

void setup(){

Serial.begin(9600);

pinMode(t,O

UTPUT);

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,HIGH);
 digitalWrite(7,HIGH);
 }
```