```
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);
```

}