```
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);
}
}
```