```
int
i=4;
        int e=5;
        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(9,HIGH);
              digitalWrite(10,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);
}
}
```

```
  //Temperature sensor
  double a=ananlogRead(A0);
  double t=[(((a/1024)*5)-0.5)*100);
  Serial.print("Temperature value: ");
  Serial.println(t);
  delay(1000);


  //LED on
  if(t>=100)
  {
    digitalWrite(9,HIGH);
```

```
   digitalWrite(10,HIH);
 }

//Buzzer for Temperature sensor
if(t>=100)
{
tone(12,i);
delay(2000);
noTone(12);
delay(2000);
}
}

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