```
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);
  }
}
```