

```
#include <DHT.h>

#define DHTPIN 7

#define DHTTYPE DHT22

DHT dht(DHTPIN,DHTTYPE);

#define ALARM 3

float tmax=50,tmin=0,temp,unid;


void setup(){

    Serial.begin(9600);

    Serial.println("Temperature and Humidity Alarm");
    Serial.println("Type maximum Temperature");
    while(tmax == 50)
    {
        if (Serial.available() > 0)
        {
            tmax=Serial.parseFloat();
        }
    }
    Serial.println(tmin);
    dht.begin();
}


void loop(){
    delay(2000);
    umid = dht.readHumidity();
    temp = dht.readTemperature();
    if (isnan(temp) || isnan(umid)){
```

```
Serial.println("\n error: Read Sensor DHT\n");  
tone (ALARM,440,1000);  
}  
else  
{  
  if (temp> tmin && temp < tmax)  
  {  
    noTone(ALARM);  
  }  
  else  
  {  
    tone (ALARM,440,1000);  
    Serial.print("tmin);  
    Serial.print(" and ");  
    Serial.println(tmax);  
  }  
}  
}
```