CODE:

```
#include "DHT.h"
#define DHTPIN 8
#define DHTTYPE DHT11 // DHT 11
DHT dht(DHTPIN, DHTTYPE); const
int Active_buzzer = 11; const
float TempMin = 26.0; const
float TempMax = 28.0;
void setup()
 Serial.begin(9600);
 Serial.println(F("DHTxx test!"));
dht.begin();
} void loop()
delay(2000);
  float h = dht.readHumidity();
float t = dht.readTemperature();
float f = dht.readTemperature(true);
 if (isnan(h) || isnan(t) || isnan(f)) {
   Serial.println(F("Failed to read from DHT sensor!"));
return;
 }
      float hif = dht.computeHeatIndex(f, h);
float hic = dht.computeHeatIndex(t, h, false);
 Serial.print(F("Humidity: "));
 Serial.print(h);
 Serial.print(F("% Temperature: "));
 Serial.print(t);
 Serial.print(F("°C "));
 Serial.print(f);
 Serial.print(F("°F Heat index: "));
 Serial.print(hic);
 Serial.print(F("°C "));
 Serial.print(hif);
Serial.println(F("°F"));
                           if (t <
TempMin || TempMax < t)</pre>
digitalWrite(Active_buzzer, HIGH);//on
```

```
else digitalWrite(Active_buzzer,
LOW);//off
}
```

OUTPUT:

```
        Output Serial Monitor x

        Message (Enter to send message to 'Arduino Uno' on 'COM5')
        New Line

        Humidity: 73.00% Temperature: 27.60°C 81.68°F Heat index: 30.26°C 86.46°F

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        Humidity: 74.00% Temperature: 27.60°C 81.68°F Heat index: 30.37°C 86.68°F

        Humidity: 74.00% Temperature: 27.70°C 81.86°F Heat index: 30.58°C 87.05°F

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        Humidity: 74.00% Temperature: 27.80°C 82.04°F Heat index: 30.79°C 87.42°F
```

