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SHARE

IOExp11

sketch.ino diagram.json libraries.txt Library Manager ▼

```
1  #include <DHT.h>
2
3  #define DHTPIN A2
4  #define DHTTYPE DHT22
5
6  DHT dht(DHTPIN, DHTTYPE);
7
8  float minTemp = 1000;
9  float maxTemp = -1000;
10
11 void setup() {
12     Serial.begin(115200);
13     dht.begin();
14 }
15
16 void loop() {
17     float tempC = dht.readTemperature();
18     float tempF = dht.readTemperature(true);
19
20     if (isnan(tempC)) {
21         Serial.println("Error: Failed to read temperature!");
22         return;
23     }
24
25     if (tempF < minTemp) minTemp = tempF;
26     if (tempF > maxTemp) maxTemp = tempF;
27
28     Serial.print("Temperature: ");
29     Serial.print(tempF);
30     Serial.print("°F | Min: ");
31     Serial.print(minTemp);
32     Serial.print("°F | Max: ");
33     Serial.print(maxTemp);
34     Serial.println("°F");
35 }
```

Simulation

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