

ReflectionLog: Read Temperature and Humidity

Youdis

```
import com.phidget22.*;
public class ReadTemperatureAndHumidity {

    public static void main(String[] args) throws Exception{

        //Create
        HumiditySensor humiditySensor = new HumiditySensor();
        TemperatureSensor temperatureSensor = new TemperatureSensor();

        //Open
        humiditySensor.open(1000);
        temperatureSensor.open(1000);
```

Importing phidget library and making 2 new objects one from the humiditySensor class and now from the temperatureSensor class. Then opening a connection for both of these objects.

```
14         //Use your Phidgets
15         while(true){
16             if (humiditySensor.getHumidity() < 30) {
17                 System.out.println("Humidity is low");
18                 Thread.sleep(1000);
19             }
20             else {
21                 System.out.println("Humidity: " + humiditySensor.getHumidity() + " %RH ");
22                 Thread.sleep(200);
23             }
24
25             if (temperatureSensor.getTemperature() < 21) {
26                 System.out.println("Room is too cold.");
27                 Thread.sleep(1000);
28             }
29             else {
30                 System.out.println(" Temperature: " + temperatureSensor.getTemperature() + " °C");
31                 Thread.sleep(200);
32             }
33         }
34     }
35 }
36 }
```

Continuously checking the humidity and temperature of the area surrounding the physical sensor. If the humidity is below 30% then it will display that the humidity is low if not then will just display the humidity percentage. Then if the temperature is below 21 degrees celsius, then it will display that the room is too cold, if over 21 degrees then will just display the temperature in celsius.