JOBSHEET 3

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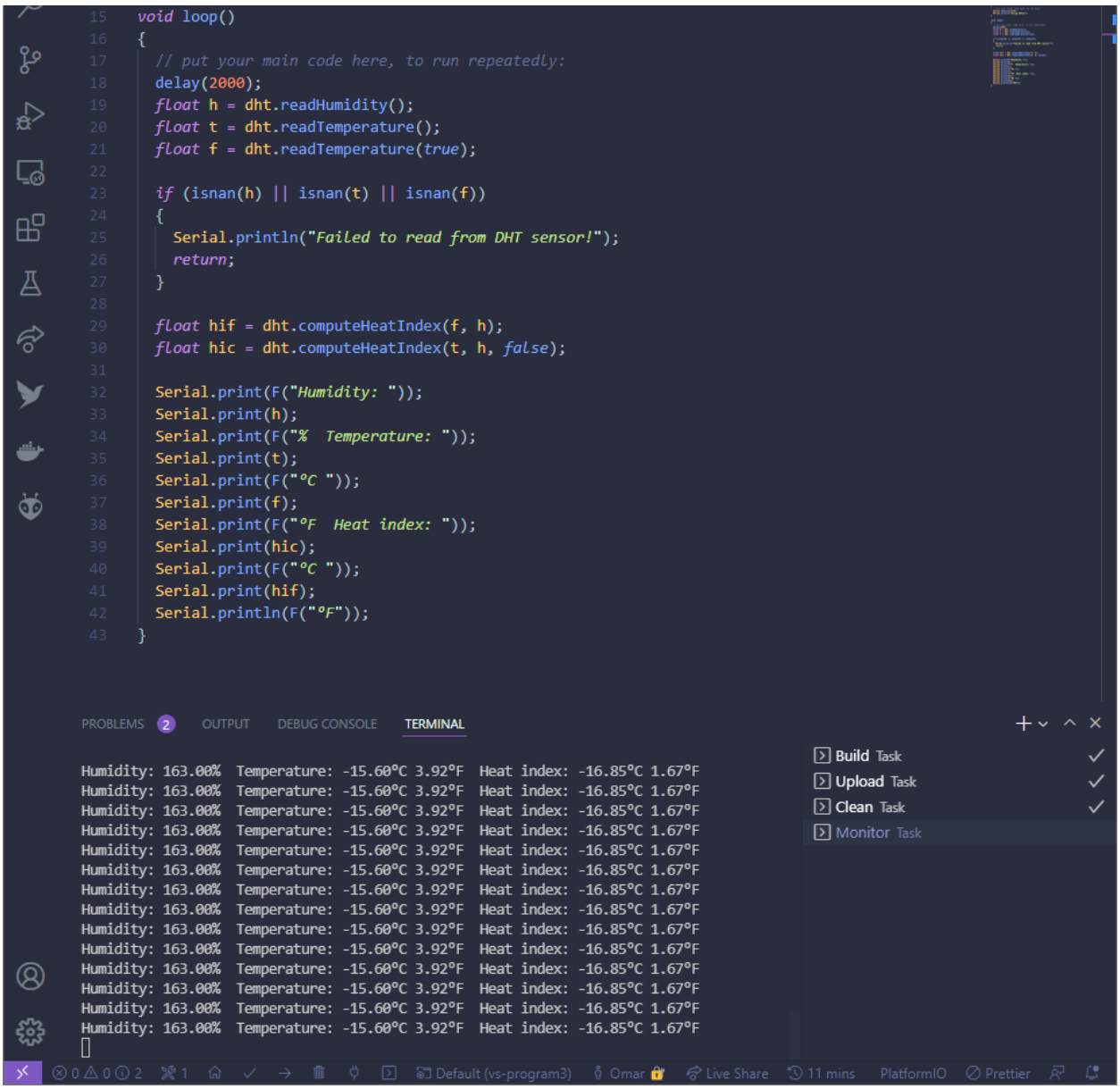
Before we start the project, we should include the following libraries to work with DHT sensor:

```
lib_deps =
    adafruit/Adafruit Unified Sensor @ ^1.1.4
    adafruit/DHT sensor library@^1.4.3
    winlinvip/SimpleDHT@^1.0.15
monitor_speed = 115200
```

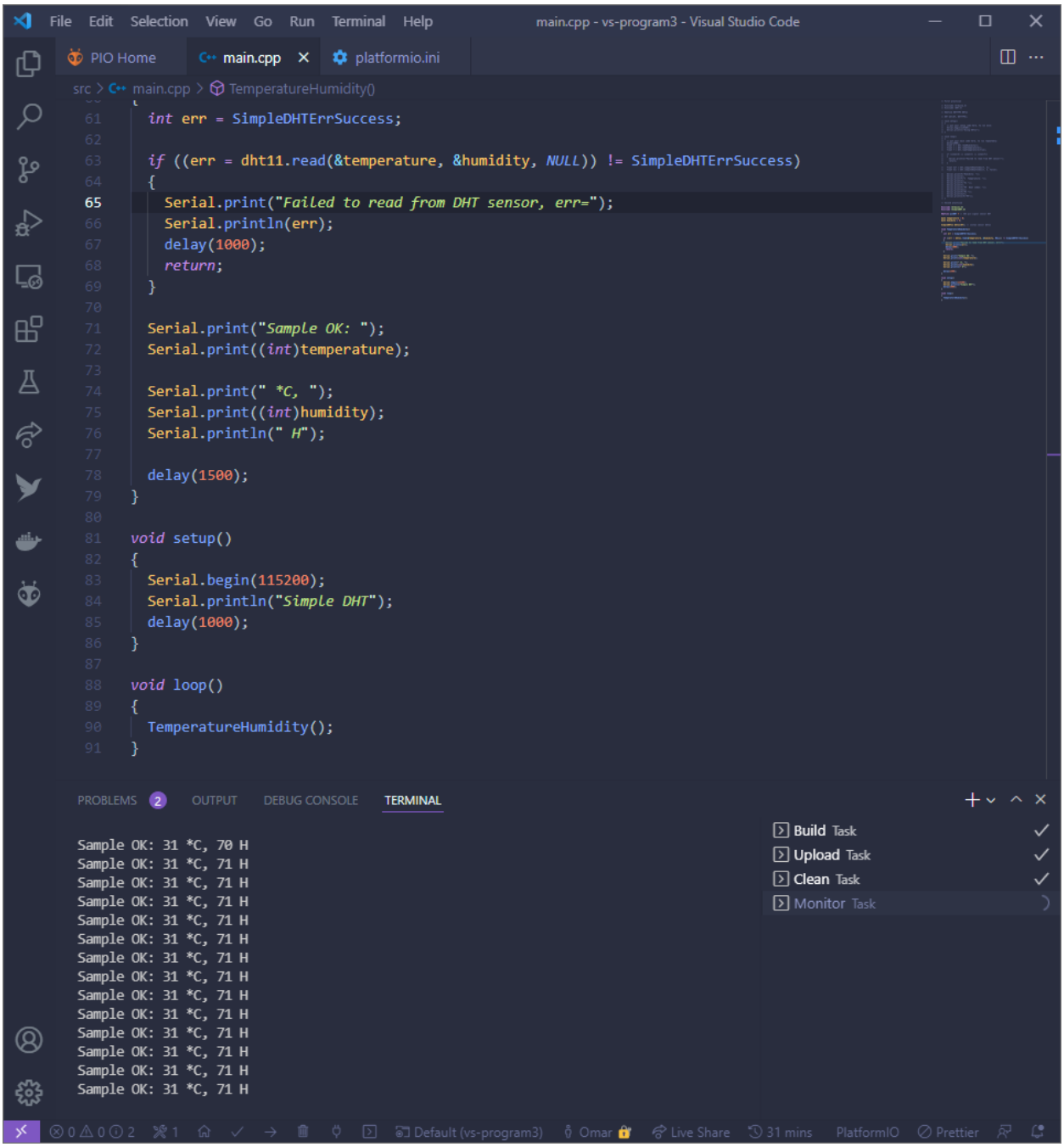
Practicum 1:

Here is the code for practicum 1: we see that the readings as expected with the humidity and temperature degrees alongside the heat index value in Fahrenheit and Celsius



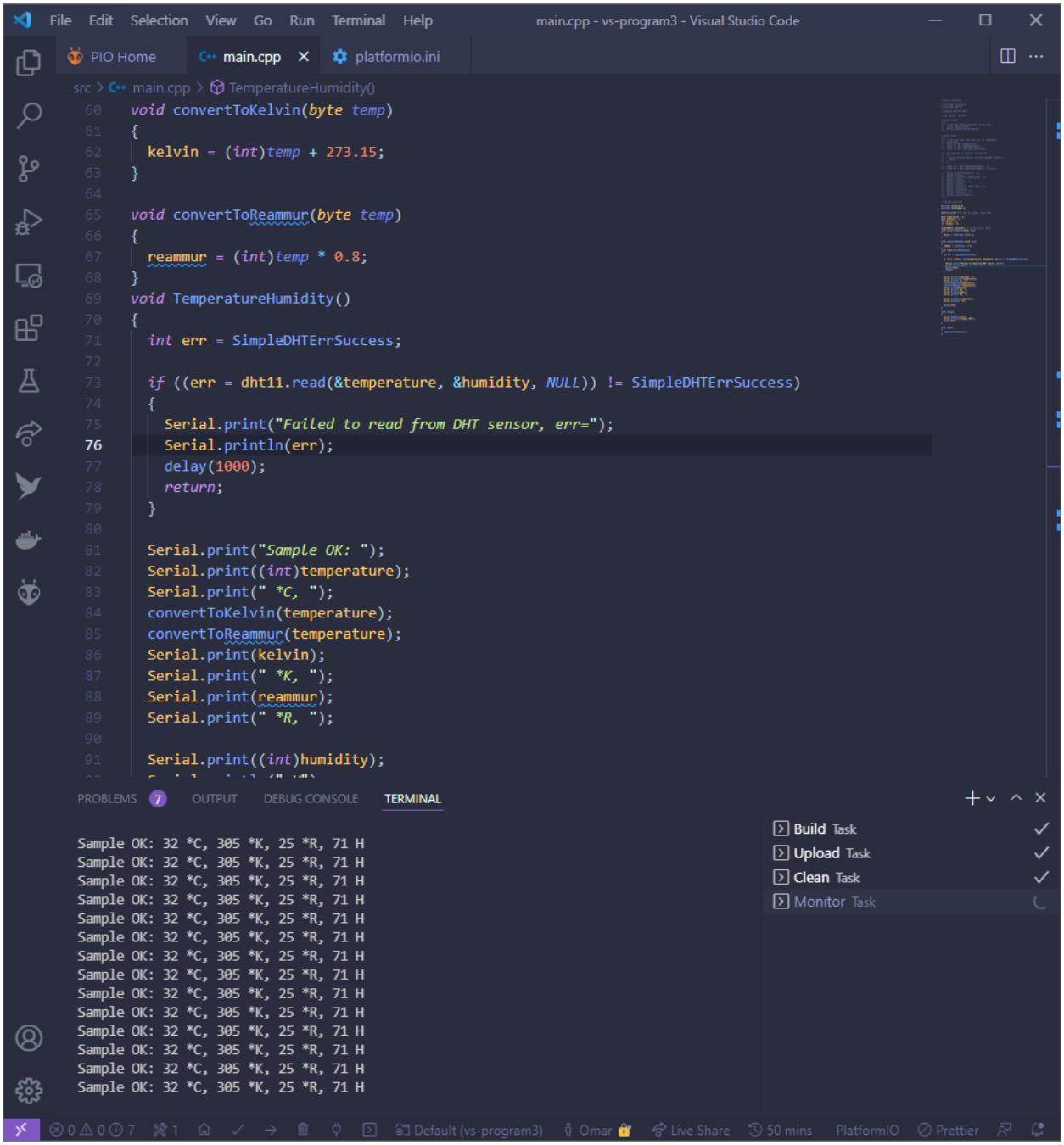
Practicum 2:

Using SimpleDHT library: this gives more accurate temperature values.



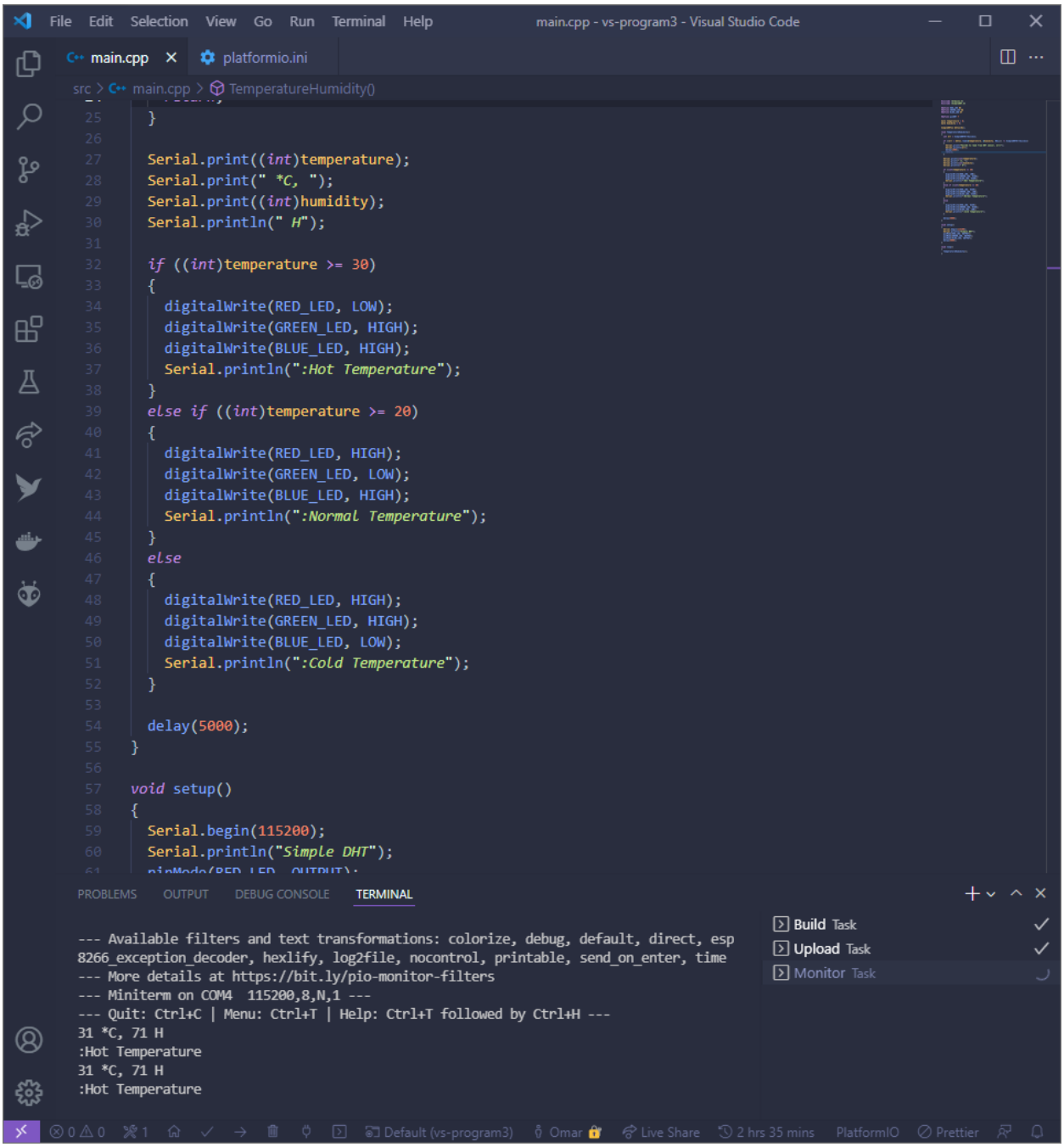
Assignment 1:

Modify the code line in the practicum section so that temperature data appears in Kelvin and Reaumur units!



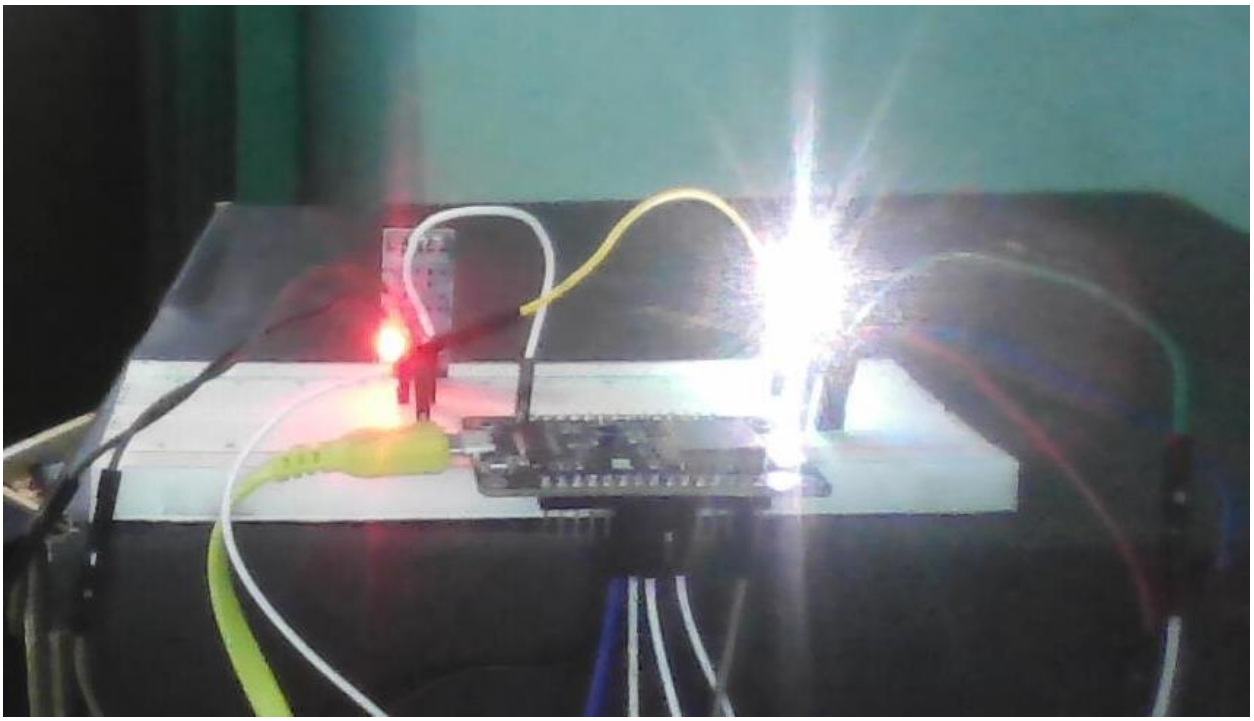
Assignment 2:

Make a simulation of a temperature and humidity reader in the middle of the city by using an LED light as an indicator accompanied by a description of the temperature and humidity data displayed on the serial monitor!



Results:

Initial setup



Hot temperature of 31 c