Activity 13 embedded system

Part A: NodeRED and MongoDB

Exercise 1: What is the version of your MongoDB?

Your result:

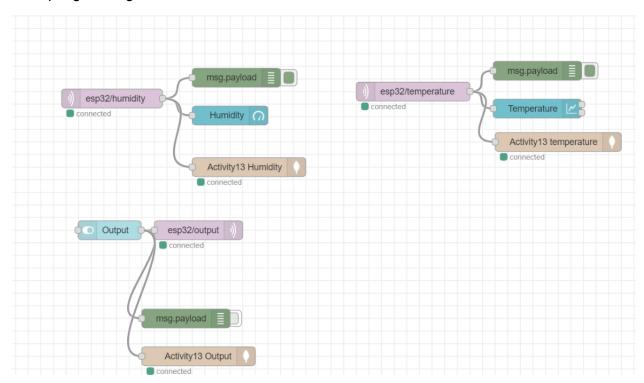
```
cc@cc-VirtualBox:~$ mongo --version
MongoDB shell version v3.6.8
git version: 8e540c0b6db93ce994cc548f000900bdc740f80a
OpenSSL version: OpenSSL 1.1.1f 31 Mar 2020
allocator: tcmalloc
modules: none
build environment:
    distarch: x86_64
    target_arch: x86
64
cc@cc-VirtualBox:~$
```

Exercise 2: Can you check the ouput of the following command? mongo --eval 'db.runCommand({ connectionStatus: 1 })

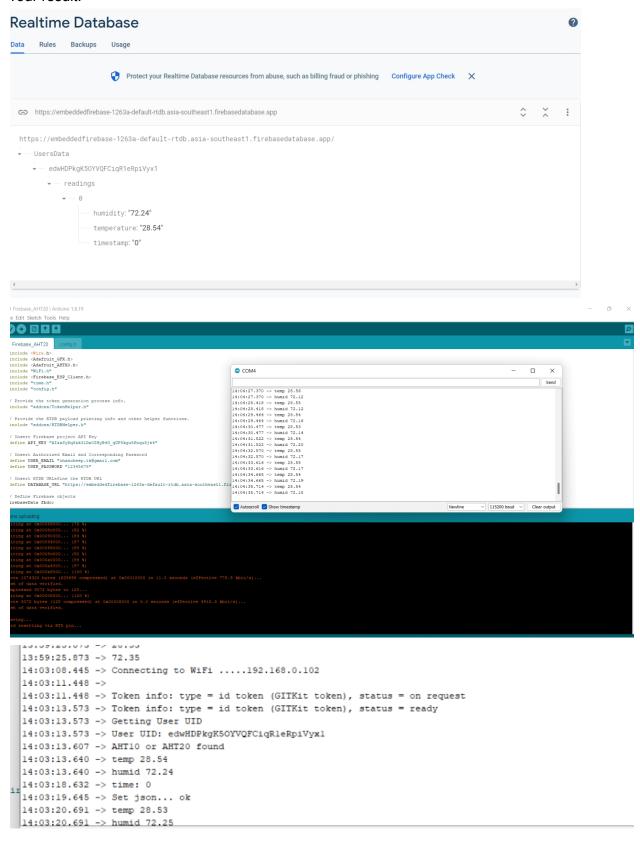
Your result:

Continue the flow from Activity11 with ESP32 and AHT20. Do the following instructions: 1. Install node-red-contrib-mongodb and node-red-node-mongodb at Manage Palette 2. import Activity13-ESP32-AHT20-NodeRED-MongoDB.txt 3. Add "Mongodb out" from Temperature and Humidity with the properties of 4. Find out the following results on your mongoDB. Go to Ubuntu terminal \$ mongo > use Activity13db > db.Temperature.find() > db.Humidity.find() Your result:

Part B: ESP32 & Firebase

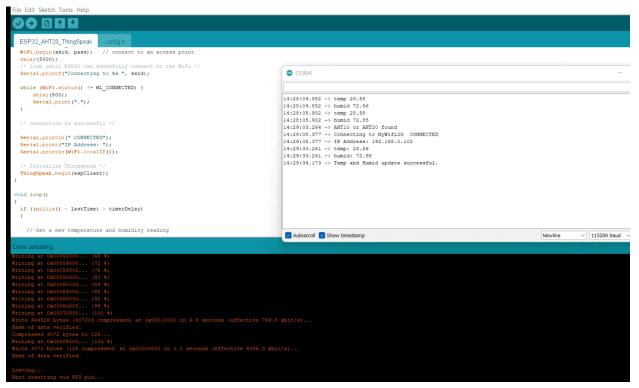


# Part B: ESP32 & Firebase Process Flow Your result:



## Part C: ESP32 & ThingSpeak

#### Your result:

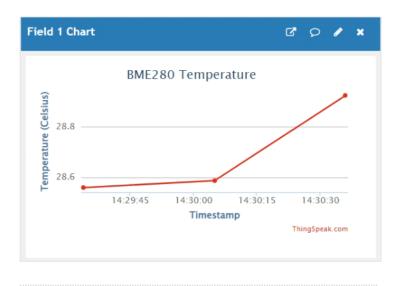


# Channel Stats

Created: <u>6 minutes ago</u>

Last entry: less than a minute ago

Entries: 3



# Sending Multiple Fields (Temperature, and Humidity) Your result:

