ECE-3502 IoT Domain Analyst LAB(L9+L10)

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Lab 6

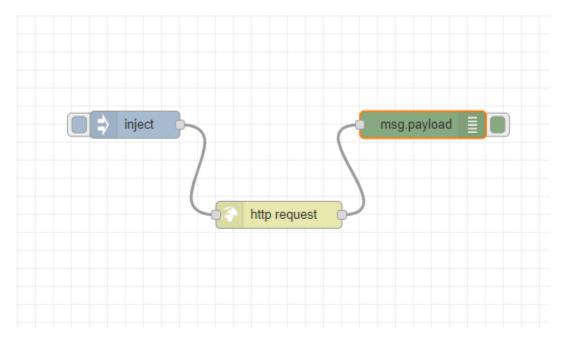
Task:

Ex1: Home automation using Http protocol and Thingsboard.

Ex 2:Plant monitoring system using MQTT protocol and Thingsboard

Ex1 Flow:

Home automation using Http protocol



Ex1 Node:

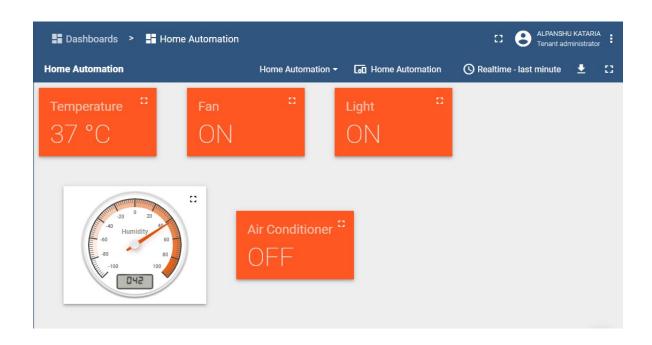
```
Edit JSON

Visual editor

Tormat JSON

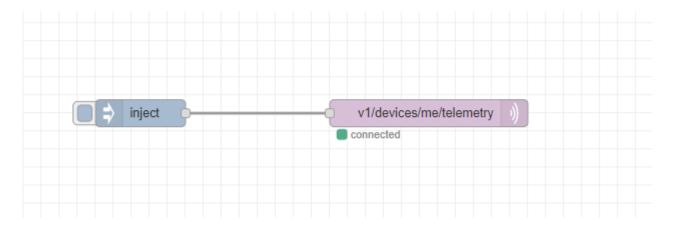
Tremperature": 37,
3 "Humidity": 42,
4 "Light": "ON",
5 "Fan": "ON",
6 "Air Conditioner": "OFF"
```

Ex1 Dashboard:



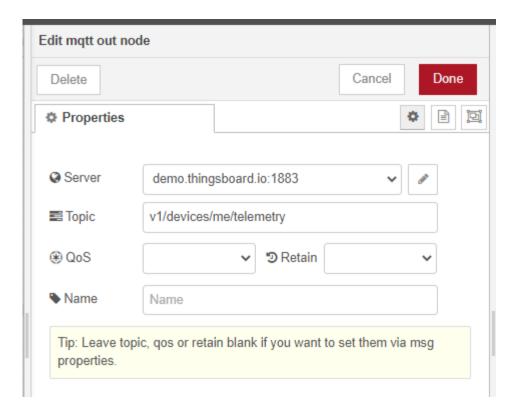
Ex2 Flow:

Plant monitoring system using MQTT:



Ex2 Nodes:

```
Edit inject node > JSON editor
                                                                                Cancel
                                                                                             Done
    Edit JSON
                                  Visual editor
                                                                                         format JSON
    1 + {
             "Temperature": 37,
     2
            "Humidity": 42,
"Light": "ON",
    3
    4
             "Fan": "ON",
    5
             "Air Conditioner": "OFF"
    7 . }
```



Ex2 Dashboard:

