

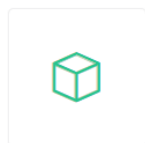
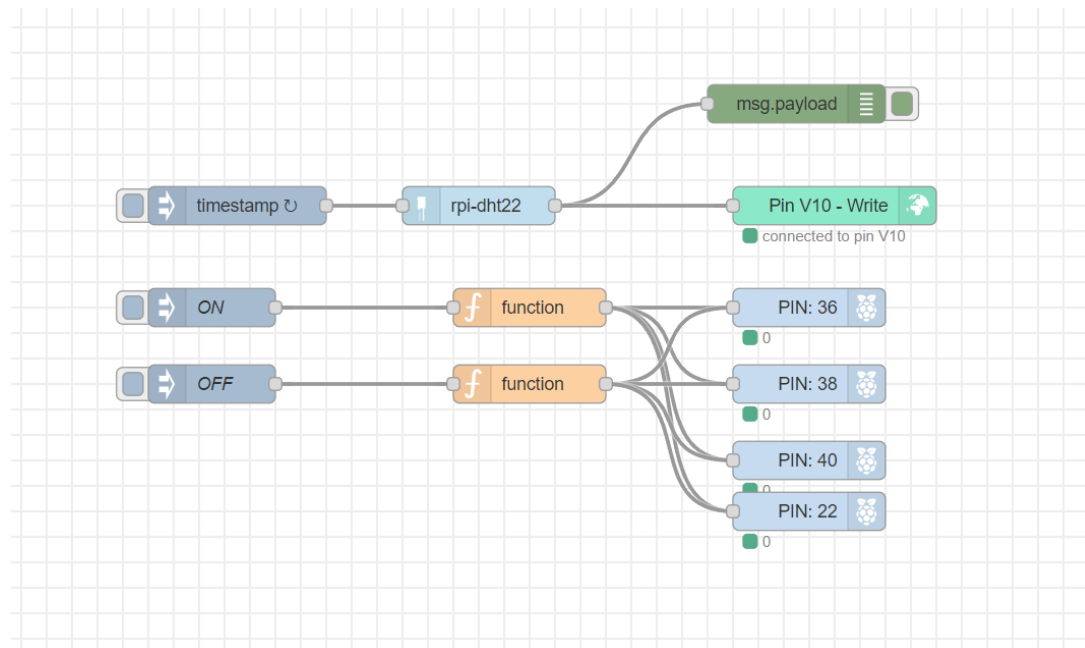
การสร้าง MQTT Server บน Raspberry Pi เพื่อใช้งาน Chatbot LINE ในฟาร์มอัจฉริยะ	
Chatbot LINE from Raspberry Pi MQTT Server for Smart Farming	
ชื่อ-สกุล : นายปราชญา ธนพิบูลผล	รหัสนักศึกษา : B6323059
6/6 - คำถามท้ายบทเพื่อทดสอบความเข้าใจ	

Quiz_301 – Blynk with Node-RED

- ทดสอบควบคุม 4 LED ด้วย Raspberry Pi ผ่าน Node-RED
- เพิ่มเติมให้ส่งข้อมูล Temperature ไปแสดงที่ Gauge บน Blynk

```
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    "id":"a277e9e0f6550e45","type":"inject","z":"6ba26f4f.16d16","name":"ON","props":[{"p":"payload","vt":"str"}],"repeat":"","crontab":"","once":false,"onceDelay":0.1,"topic":"","payload":"true","payloadType":"bool","x":270,"y":660,"wires":[[{"id":"5bd598182d73940e","type":"inject","z":"6ba26f4f.16d16","name":"OFF","props":[{"p":"payload","vt":"str"}],"repeat":"","crontab":"","once":false,"onceDelay":0.1,"topic":"","payload":"false","payloadType":"bool","x":270,"y":720,"wires":[[{"id":"be6b4005ebaccda2","type":"function","z":"6ba26f4f.16d16","name":"","func":"msg.payload=1;\nreturn msg;","outputs":1,"noerr":0,"initialize":"","finalize":"","libs":[],"x":520,"y":660,"wires":[[{"id":"0e660e6c515044f7","type":"function","z":"6ba26f4f.16d16","name":"","func":"msg.payload=0;\n\nreturn msg;","outputs":1,"noerr":0,"initialize":"","finalize":"","libs":[],"x":520,"y":720,"wires":[[{"id":"0e660e6c515044f7","type":"rpi-gpio-out","z":"6ba26f4f.16d16","name":"","pin":"16","set":"","level":"0","freq":"","out":"out","bcm":true,"x":740,"y":660,"wires":[]},{
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      "id":"38b539cdfb88908e","type":"rpi-gpio-out","z":"6ba26f4f.16d16","name":"","pin":"25","set":"","level":"0","freq":"","out":"out","bcm":true,"x":740,"y":820,"wi
```

```
res":[]},{ "id":"596f12771391404d", "type":"blynk-iot-out-
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dbg_low":false, "dbg_pins":"", "multi_cmd":false, "enabled":true}}
```



RPI Online

Pratchaya

My organization - 6305ZC

Add Tag

Dashboard

Timeline

Device Info

Metadata

Actions Log

Latest

Last Hour

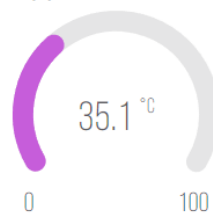
6 Hours

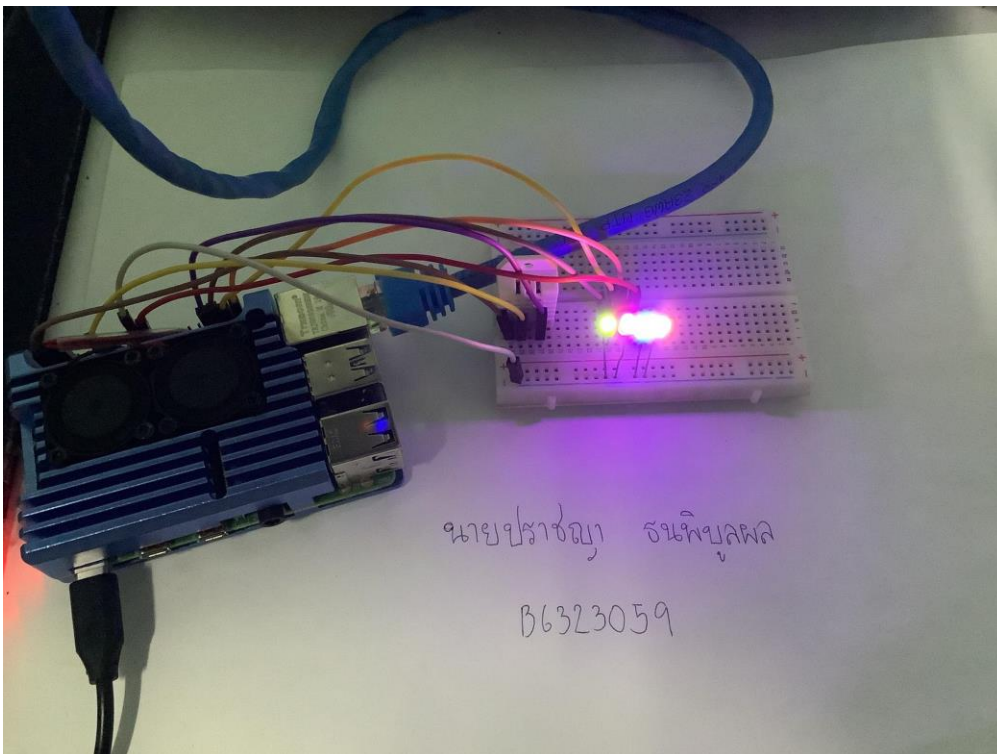
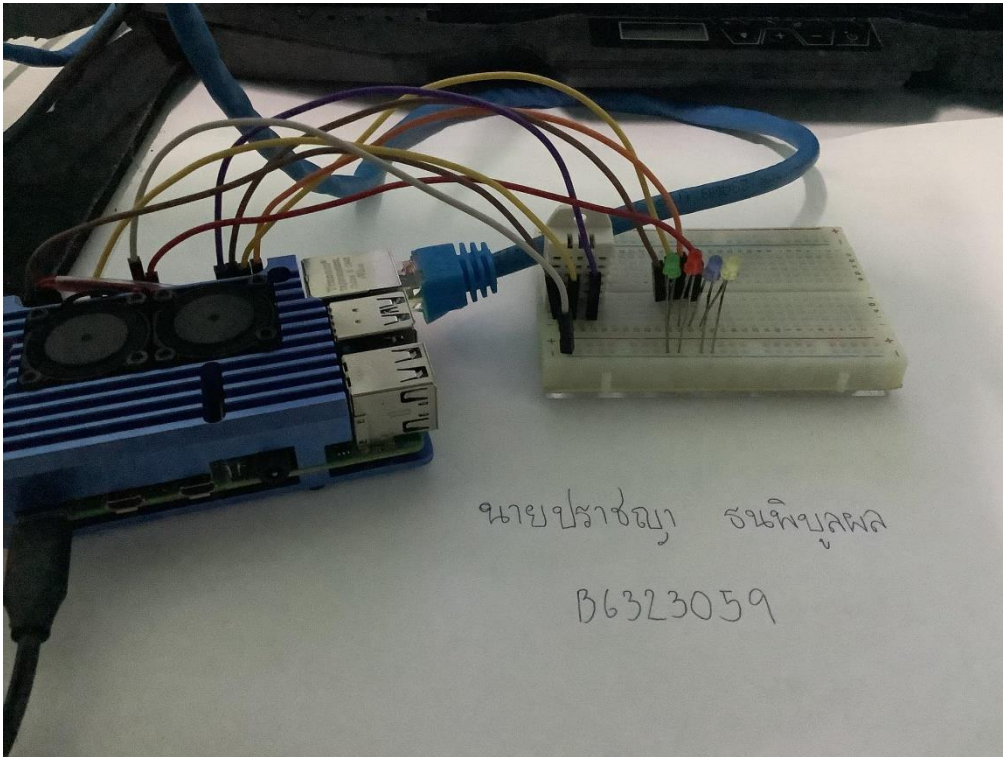
1 Day

1 Week

1 Mor

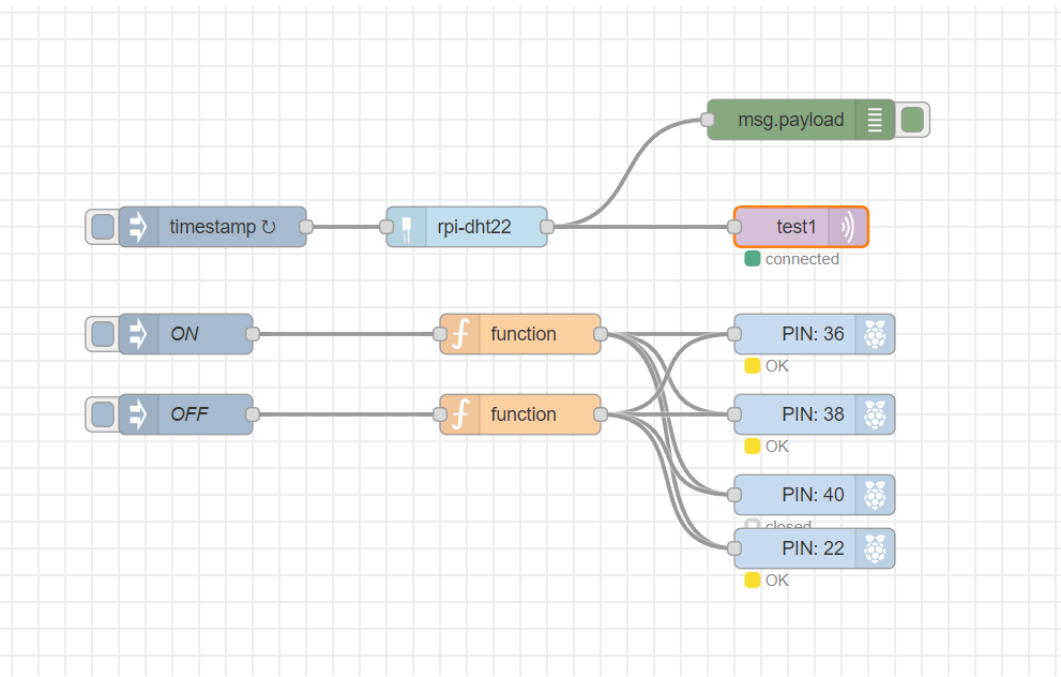
Tempp





- ```
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```

```
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```



**Connections** 36.2

● 36.2@broker.emqx.io...  
● test@broker.emqx.io...

+ New Subscription

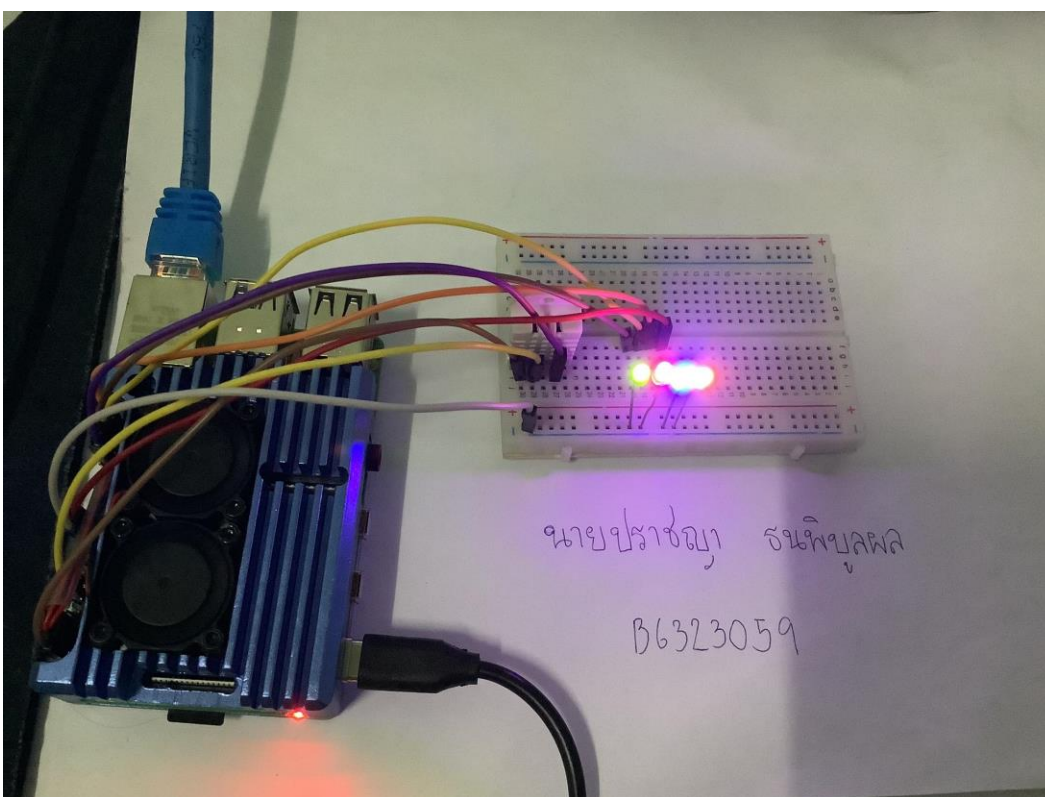
test1 QoS 0

Plaintext

All Received Published

34.90  
2023-06-24 18:49:20:963  
Topic: test1 QoS: 0  
34.80  
2023-06-24 18:49:26:706  
Topic: test1 QoS: 0  
34.80  
2023-06-24 18:49:46:931  
Topic: test1 QoS: 0  
34.80  
2023-06-24 18:49:48:667  
Topic: test1 QoS: 0  
34.80  
2023-06-24 18:49:51:448





**Quiz\_303 – MQTT Server on Raspberry Pi**

- ทดสอบควบคุม 4 LED ด้วย Raspberry Pi ผ่าน Node-RED ไปยัง private server
- เพิ่มเติมให้ส่งข้อมูล Temperature ไปแสดงที่ บน private Server

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 "p": "topic",
 "vt": "str"
 }
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 "once": false,
 "onceDelay": 0.1,
 "topic": "",
 "payload": "",
 "payloadType": "date",
 "x": 290,
 "y": 580,
 "wires": [
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]
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 "tosidebar": true,
 "console": false,
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 "complete": false,
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 "props": [
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 "p": "payload",
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 }
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 "x": 270,
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 "wires": [
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]
],
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 "p": "payload",
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]
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 "noerr": 0,
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 "finalize": "",
 "libs": [],
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 "wires": [
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 "7276f51f1d46fc3c",
 "0c31d493e6a6de2"
]
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 "z": "b7fd1f68e0993be8",
 "name": "",
 "func": "msg.payload=0;\n\nreturn msg;",
 "outputs": 1,
 "noerr": 0,
 "initialize": "",
 "finalize": "",
 "libs": [],
 "x": 520,
 "y": 720,
 "wires": [
 [
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 "f99330e71050db90",
 "7276f51f1d46fc3c",
 "0c31d493e6a6de2"
]
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 "id": "0c31d493e6a6de2",
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 "y": 820,
 "wires": [],
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 "type": "mqtt",
 "out": "out",
 "z": "b7fd1f68e0993be8",
 "name": "",
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 "qos": "",
 "retain": "",
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 "contentType": "",
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 "correl": "",
 "expiry": "",
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 "x": 730,
 "y": 580,
 "wires": [],
 "id": "ecd08c1c645fb19c",
 "type": "mqtt-broker",
 "name": "Mqtts",
 "broker": "broker.emqx.io",
 "port": "1883",
 "clientid": "mqttx_f7efb458",
 "autoConnect": true,
 "usetls": false,
 "protocolVersion": "4",
 "keepalive": "60",
 "cleansession": true,
 "birthTopic": "test1",
 "birthQos": "0",
 "birthPaylo"
}
```

```
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```

