

<p>การสร้าง MQTT Server บน Raspberry Pi เพื่อใช้งาน Chatbot LINE ในฟาร์มอัจฉริยะ</p> <p>Chatbot LINE from Raspberry Pi MQTT Server for Smart Farming</p>
<p>ชื่อ-สกุล : B6310646 นางสาวสุภาณัน เรืองสุข</p>
<p>6/6 - คำถามท้ายบทเพื่อทดสอบความเข้าใจ</p>

### Quiz\_301 – Blynk with Node-RED

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

Node-RED Code

```
[
  {
    "id": "9a105b4d0fde208f",
    "type": "tab",
    "label": "Flow 8",
    "disabled": false,
    "info": "",
    "env": []
  },
  {
    "id": "32079b6e2c4553e7",
    "type": "rpi-gpio out",
    "z": "9a105b4d0fde208f",
    "name": "",
    "pin": "18",
    "set": "",
    "level": "0",
    "freq": "",
    "out": "out",
    "bcm": true,
    "x": 600,
    "y": 160,
    "wires": []
  },
]
```

```

{
  "id": "c291383849304504",
  "type": "rpi-gpio out",
  "z": "9a105b4d0fde208f",
  "name": "",
  "pin": "23",
  "set": "",
  "level": "0",
  "freq": "",
  "out": "out",
  "bcm": true,
  "x": 600,
  "y": 220,
  "wires": []
},
{
  "id": "0a70d5a961fb5398",
  "type": "rpi-gpio out",
  "z": "9a105b4d0fde208f",
  "name": "",
  "pin": "24",
  "set": "",
  "level": "0",
  "freq": "",
  "out": "out",
  "bcm": true,
  "x": 600,
  "y": 280,
  "wires": []
},
{
  "id": "6e09787c25210d9d",
  "type": "rpi-gpio out",
  "z": "9a105b4d0fde208f",
  "name": "",

```

```

    "pin": "25",
    "set": "",
    "level": "0",
    "freq": "",
    "out": "out",
    "bcm": true,
    "x": 600,
    "y": 340,
    "wires": []
  },
  {
    "id": "f77fffba19e32589",
    "type": "debug",
    "z": "9a105b4d0fde208f",
    "name": "",
    "active": true,
    "tosidebar": true,
    "console": false,
    "tostatus": false,
    "complete": "payload",
    "targetType": "msg",
    "statusVal": "",
    "statusType": "auto",
    "x": 710,
    "y": 520,
    "wires": []
  },
  {
    "id": "4802468751ae1a7e",
    "type": "function",
    "z": "9a105b4d0fde208f",
    "name": "Tempp",
    "func": "msg.payload = Math.round( Math.random() *100)\nreturn msg;",
    "outputs": 1,
    "noerr": 0,

```

```

"initialize": "",
"finalize": "",
"libs": [],
"x": 540,
"y": 460,
"wires": [
  [
    "f77ffba19e32589",
    "f8087aeff21622cc"
  ]
]
},
{
  "id": "3209e043d969f9a6",
  "type": "inject",
  "z": "9a105b4d0fde208f",
  "name": "",
  "props": [
    {
      "p": "payload"
    },
    {
      "p": "topic",
      "vt": "str"
    }
  ],
  "repeat": "",
  "crontab": "",
  "once": false,
  "onceDelay": 0.1,
  "topic": "",
  "payload": "",
  "payloadType": "date",
  "x": 380,
  "y": 460,

```

```

    "wires": [
      [
        "4802468751ae1a7e"
      ]
    ]
  },
  {
    "id": "ace9d6e91ea58217",
    "type": "blynk-iot-in-write",
    "z": "9a105b4d0fde208f",
    "name": "",
    "pin": "1",
    "pin_all": 0,
    "client": "5220722da43683e5",
    "x": 390,
    "y": 160,
    "wires": [
      [
        "32079b6e2c4553e7"
      ]
    ]
  },
  {
    "id": "dedafef0ad11a7c0",
    "type": "blynk-iot-in-write",
    "z": "9a105b4d0fde208f",
    "name": "",
    "pin": "2",
    "pin_all": 0,
    "client": "5220722da43683e5",
    "x": 390,
    "y": 220,
    "wires": [
      [
        "c291383849304504"
      ]
    ]
  }
}

```

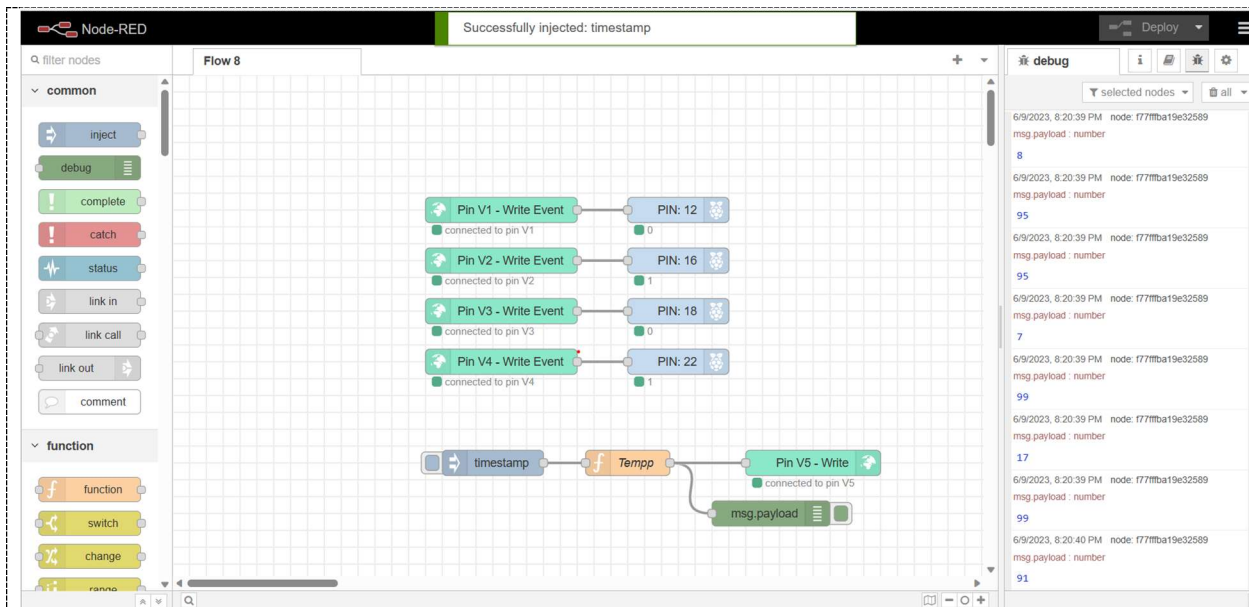
```

    ]
  ]
},
{
  "id": "c79c126825c3e1fa",
  "type": "blynk-iot-in-write",
  "z": "9a105b4d0fde208f",
  "name": "",
  "pin": "3",
  "pin_all": 0,
  "client": "5220722da43683e5",
  "x": 390,
  "y": 280,
  "wires": [
    [
      "0a70d5a961fb5398"
    ]
  ]
},
{
  "id": "6d473dbe5528b0a5",
  "type": "blynk-iot-in-write",
  "z": "9a105b4d0fde208f",
  "name": "",
  "pin": "4",
  "pin_all": 0,
  "client": "5220722da43683e5",
  "x": 390,
  "y": 340,
  "wires": [
    [
      "6e09787c25210d9d"
    ]
  ]
},

```

```
{
  "id": "f8087aeff21622cc",
  "type": "blynk-iot-out-write",
  "z": "9a105b4d0fde208f",
  "name": "",
  "pin": "5",
  "pinmode": 0,
  "client": "5220722da43683e5",
  "x": 760,
  "y": 460,
  "wires": []
},
{
  "id": "5220722da43683e5",
  "type": "blynk-iot-client",
  "name": "",
  "path": "blynk.cloud",
  "key": "pjC2F6yu5HNvWcMPnPLOpWf9IfjG-MRZ",
  "tpl": "TMPL6ZQQtVQPW",
  "dbg_all": false,
  "dbg_log": false,
  "dbg_prop": false,
  "dbg_sync": false,
  "dbg_low": false,
  "dbg_pins": "",
  "multi_cmd": false,
  "enabled": true
}
]
```

Node-RED Flow



Edit write event node > Edit blynk-iot-client node

Delete Cancel Update

**Properties**

Name

Enabled ☐ (enable this button for connect to blynk on startup)

Connection

Url

Auth Token

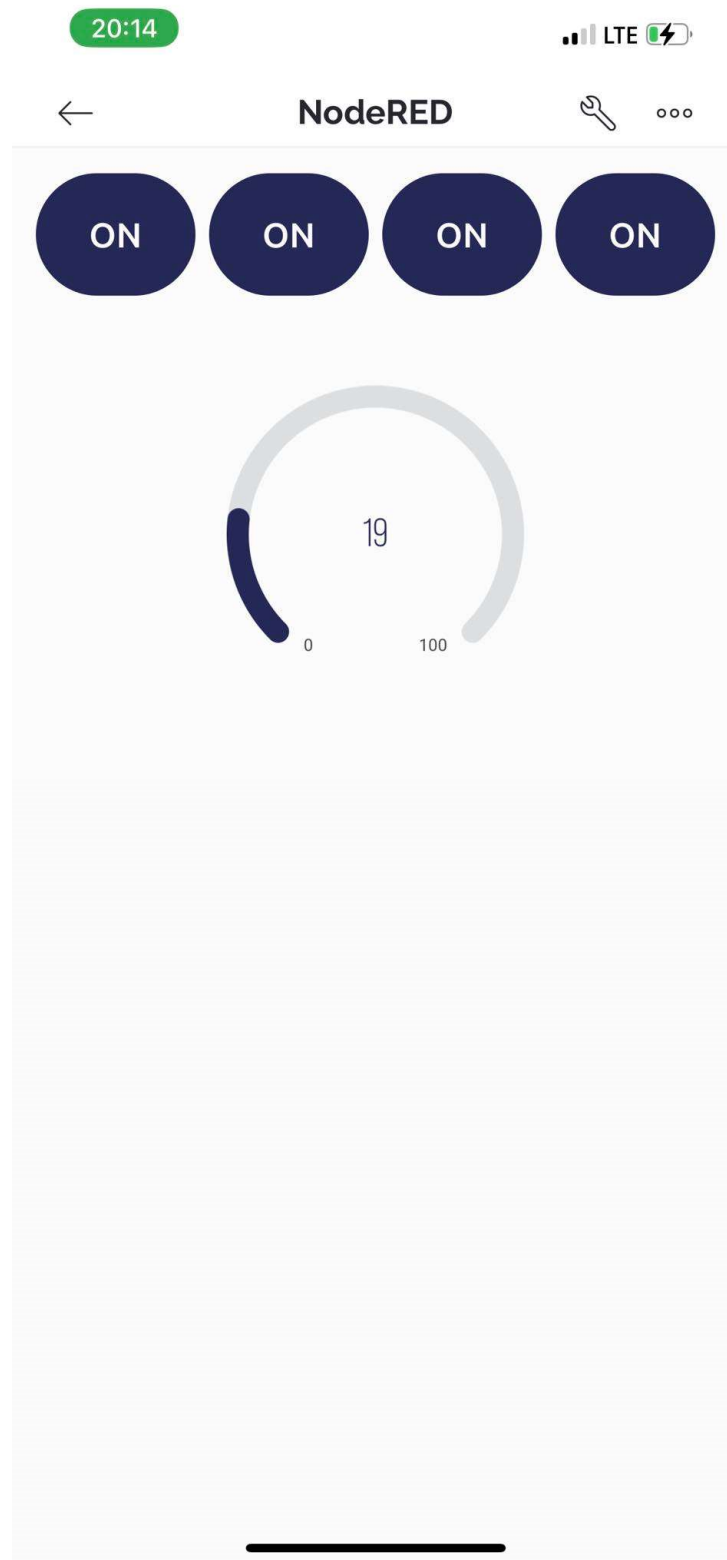
Template ID

The secure url of Blynk Cloud Server is:  
**blynk.cloud**

☐ Enabled ☒ 5 nodes use this config



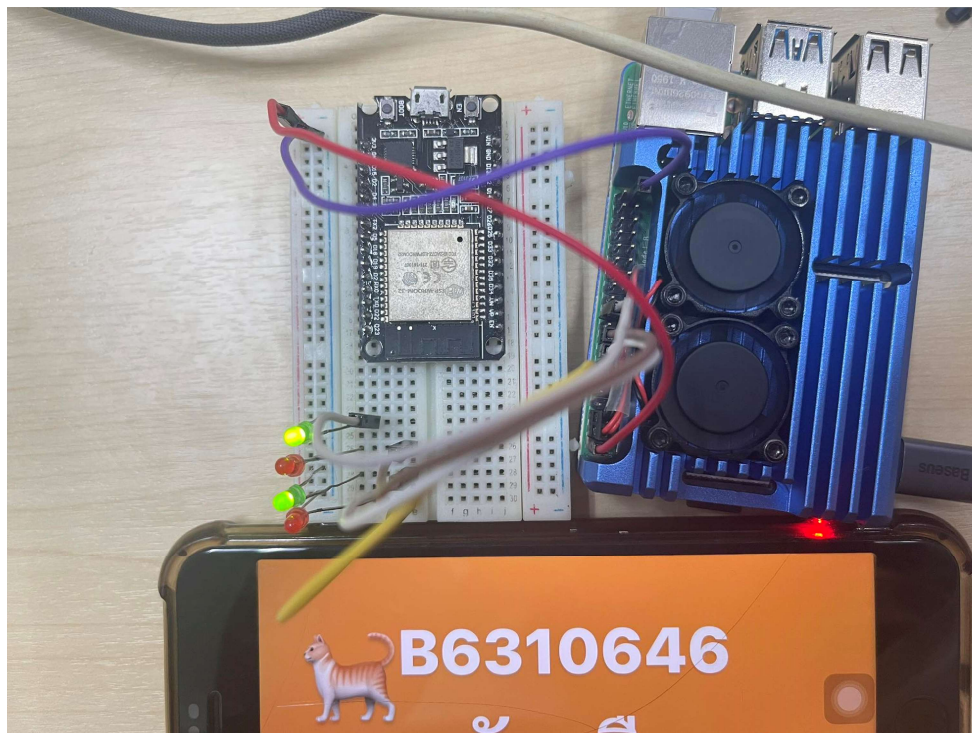
หน้าจอ Blynk



รูปการทดสอบ 1



รูปการทดสอบ 2



**Quiz\_302 – MQTT Client with Node-RED**

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

Node-RED Code

```
[
  {
    "id": "944d911ccc3a8047",
    "type": "tab",
    "label": "Flow 14",
    "disabled": false,
    "info": "",
    "env": []
  },
  {
    "id": "e01a2b685288a34c",
    "type": "mqtt in",
    "z": "944d911ccc3a8047",
    "name": "",
    "topic": "Flow14",
    "qos": "2",
    "datatype": "auto",
    "broker": "bc2d95c41d54be10",
    "nl": false,
    "rap": true,
    "rh": 0,
    "inputs": 0,
    "x": 110,
    "y": 140,
    "wires": [
      [
        "be8219696a6e0893",
        "b0ca68f6060e7522",
        "0f7c27b34f43efc5",
        "6ecb9ec872745efa"
      ]
    ]
  }
]
```

```

    ]
  ]
},
{
  "id": "be8219696a6e0893",
  "type": "change",
  "z": "944d911ccc3a8047",
  "name": "LED1",
  "rules": [
    {
      "t": "change",
      "p": "payload",
      "pt": "msg",
      "from": "OFF1",
      "fromt": "str",
      "to": "false",
      "tot": "bool"
    },
    {
      "t": "change",
      "p": "payload",
      "pt": "msg",
      "from": "ON1",
      "fromt": "str",
      "to": "true",
      "tot": "bool"
    }
  ],
  "action": "",
  "property": "",
  "from": "",
  "to": "",
  "reg": false,
  "x": 310,
  "y": 140,

```

```

    "wires": [
      [
        "4188c4eeb002787d"
      ]
    ]
  },
  {
    "id": "4188c4eeb002787d",
    "type": "rpi-gpio out",
    "z": "944d911ccc3a8047",
    "name": "",
    "pin": "18",
    "set": "",
    "level": "0",
    "freq": "",
    "out": "out",
    "bcm": true,
    "x": 540,
    "y": 140,
    "wires": []
  },
  {
    "id": "b0ca68f6060e7522",
    "type": "change",
    "z": "944d911ccc3a8047",
    "name": "LED2",
    "rules": [
      {
        "t": "change",
        "p": "payload",
        "pt": "msg",
        "from": "OFF2",
        "fromt": "str",
        "to": "false",
        "tot": "bool"
      }
    ]
  }

```

```

    },
    {
      "t": "change",
      "p": "payload",
      "pt": "msg",
      "from": "ON2",
      "fromt": "str",
      "to": "true",
      "tot": "bool"
    }
  ],
  "action": "",
  "property": "",
  "from": "",
  "to": "",
  "reg": false,
  "x": 310,
  "y": 200,
  "wires": [
    [
      "280475180b97d702"
    ]
  ]
},
{
  "id": "0f7c27b34f43efc5",
  "type": "change",
  "z": "944d911ccc3a8047",
  "name": "LED3",
  "rules": [
    {
      "t": "change",
      "p": "payload",
      "pt": "msg",
      "from": "OFF3",

```

```

        "fromt": "str",
        "to": "false",
        "tot": "bool"
    },
    {
        "t": "change",
        "p": "payload",
        "pt": "msg",
        "from": "ON3",
        "fromt": "str",
        "to": "true",
        "tot": "bool"
    }
],
"action": "",
"property": "",
"from": "",
"to": "",
"reg": false,
"x": 310,
"y": 260,
"wires": [
    [
        "529130510fcb64d4"
    ]
]
},
{
    "id": "6ecb9ec872745efa",
    "type": "change",
    "z": "944d911ccc3a8047",
    "name": "LED4",
    "rules": [
        {
            "t": "change",

```

```

        "p": "payload",
        "pt": "msg",
        "from": "OFF4",
        "fromt": "str",
        "to": "false",
        "tot": "bool"
    },
    {
        "t": "change",
        "p": "payload",
        "pt": "msg",
        "from": "ON4",
        "fromt": "str",
        "to": "true",
        "tot": "bool"
    }
],
"action": "",
"property": "",
"from": "",
"to": "",
"reg": false,
"x": 310,
"y": 320,
"wires": [
    [
        "600326651a3fa1e5"
    ]
]
},
{
    "id": "280475180b97d702",
    "type": "rpi-gpio out",
    "z": "944d911ccc3a8047",
    "name": "",

```



```
"pin": "23",
"set": "",
"level": "0",
"freq": "",
"out": "out",
"bcm": true,
"x": 540,
"y": 200,
"wires": []
},
{
  "id": "529130510fcb64d4",
  "type": "rpi-gpio out",
  "z": "944d911ccc3a8047",
  "name": "",
  "pin": "24",
  "set": "",
  "level": "0",
  "freq": "",
  "out": "out",
  "bcm": true,
  "x": 540,
  "y": 260,
  "wires": []
},
{
  "id": "600326651a3fa1e5",
  "type": "rpi-gpio out",
  "z": "944d911ccc3a8047",
  "name": "",
  "pin": "25",
  "set": "",
  "level": "0",
  "freq": "",
  "out": "out",
```

```

    "bcm": true,
    "x": 540,
    "y": 320,
    "wires": []
  },
  {
    "id": "885e3b79412692e4",
    "type": "inject",
    "z": "944d911ccc3a8047",
    "name": "",
    "props": [
      {
        "p": "payload"
      },
      {
        "p": "topic",
        "vt": "str"
      }
    ],
    "repeat": "",
    "crontab": "",
    "once": false,
    "onceDelay": 0.1,
    "topic": "",
    "payload": "",
    "payloadType": "date",
    "x": 150,
    "y": 460,
    "wires": [
      [
        "d7885f16122ee0de"
      ]
    ]
  },
  {

```

```

    "id": "d7885f16122ee0de",
    "type": "function",
    "z": "944d911ccc3a8047",
    "name": "Tempp",
    "func": "msg.payload = \"Random Temperature = \" + Math.round( Math.random()
*100)\\nreturn msg;\"",
    "outputs": 1,
    "noerr": 0,
    "initialize": "",
    "finalize": "",
    "libs": [],
    "x": 310,
    "y": 460,
    "wires": [
      [
        "d9c9eb37707da3bc"
      ]
    ]
  },
  {
    "id": "d9c9eb37707da3bc",
    "type": "mqtt out",
    "z": "944d911ccc3a8047",
    "name": "",
    "topic": "Flow14",
    "qos": "",
    "retain": "",
    "respTopic": "",
    "contentType": "",
    "userProps": "",
    "correl": "",
    "expiry": "",
    "broker": "2134966334678988",
    "x": 520,
    "y": 460,

```

```

    "wires": []
  },
  {
    "id": "bc2d95c41d54be10",
    "type": "mqtt-broker",
    "name": "",
    "broker": "test.mosquitto.org",
    "port": "1883",
    "clientId": "",
    "autoConnect": true,
    "usetls": false,
    "protocolVersion": "4",
    "keepalive": "60",
    "cleansession": true,
    "birthTopic": "",
    "birthQos": "0",
    "birthPayload": "",
    "birthMsg": {},
    "closeTopic": "",
    "closeQos": "0",
    "closePayload": "",
    "closeMsg": {},
    "willTopic": "",
    "willQos": "0",
    "willPayload": "",
    "willMsg": {},
    "userProps": "",
    "sessionExpiry": ""
  },
  {
    "id": "2134966334678988",
    "type": "mqtt-broker",
    "name": "",
    "broker": "test.mosquitto.org",
    "port": "1883",

```

```

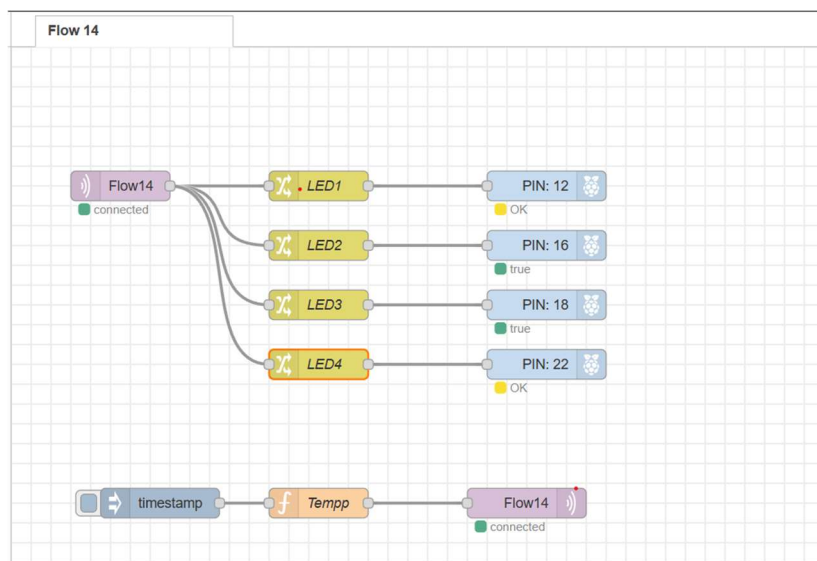
"clientId": "",
"autoConnect": true,
"usetls": false,
"protocolVersion": "4",
"keepalive": "60",
"cleansession": true,
"birthTopic": "",
"birthQos": "0",
"birthPayload": "",
"birthMsg": {},
"closeTopic": "",
"closeQos": "0",
"closePayload": "",
"closeMsg": {},
"willTopic": "",
"willQos": "0",
"willPayload": "",
"willMsg": {},
"userProps": "",
"sessionExpiry": ""
}

```

```

]
```

#### Node-RED Flow



## หน้าจอ MQTT Lens

**Connections** + **M3** ✓ 359 🔌 🔗 ⋮

● M3@test.mosquitto.o... + New Subscription

**Flow14** QoS 0

**Plaintext** ▼ All Received Published

Topic: Flow14 QoS: 0  
Random Temperature = 99  
2023-06-10 16:55:32:292

Topic: Flow14 QoS: 0  
Random Temperature = 54  
2023-06-10 16:55:39:283

Topic: Flow14 QoS: 0  
Random Temperature = 43  
2023-06-10 17:00:12:753

Payload: JSON ▼ QoS: 0 ▼ Retain Meta

Flow1

⏪ ⏴ ⏵ ⏩ ✓

**Connections** + **M3** ✓ 397 🔌 🔗 ⋮

● M3@test.mosquitto.o... + New Subscription

**Flow14** QoS 0

**Plaintext** ▼ All Received Published

2023-06-10 17:05:26:032

Topic: Flow14 QoS: 0  
ON2  
2023-06-10 17:06:30:749

Topic: Flow14 QoS: 0  
ON3  
2023-06-10 17:06:37:785

Payload: JSON ▼ QoS: 0 ▼ Retain Meta

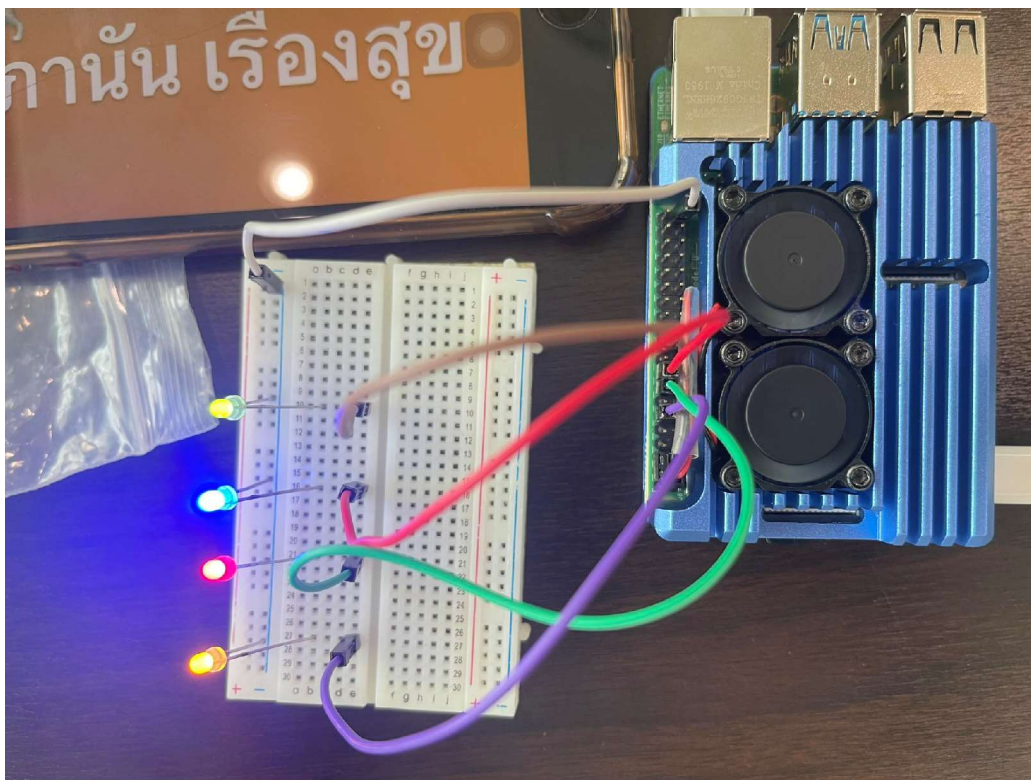
Flow14

⏪ ⏴ ⏵ ⏩ ✓

รูปการทดสอบ 1



รูปการทดสอบ 2



**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

```
[
  {
    "id": "8b2e65eaa8a1b981",
    "type": "tab",
    "label": "Flow 14",
    "disabled": false,
    "info": "",
    "env": []
  },
  {
    "id": "d77816ea00d62cef",
    "type": "mqtt in",
    "z": "8b2e65eaa8a1b981",
    "name": "",
    "topic": "Flow14",
    "qos": "2",
    "datatype": "auto",
    "broker": "35046022507d36dd",
    "nl": false,
    "rap": true,
    "rh": 0,
    "inputs": 0,
    "x": 110,
    "y": 140,
    "wires": [
      [
        "eba5f855c1e60f2b",
        "654e4f3d2e39de59",
        "34b7a7cf04c52116",
        "a8475f845cf56db7"
      ]
    ]
  }
]
```



```

]
},
{
  "id": "eba5f855c1e60f2b",
  "type": "change",
  "z": "8b2e65eaa8a1b981",
  "name": "LED1",
  "rules": [
    {
      "t": "change",
      "p": "payload",
      "pt": "msg",
      "from": "OFF1",
      "fromt": "str",
      "to": "false",
      "tot": "bool"
    },
    {
      "t": "change",
      "p": "payload",
      "pt": "msg",
      "from": "ON1",
      "fromt": "str",
      "to": "true",
      "tot": "bool"
    }
  ],
  "action": "",
  "property": "",
  "from": "",
  "to": "",
  "reg": false,
  "x": 310,
  "y": 140,
  "wires": [

```

```

    [
      "20ccbf9ee777b512"
    ]
  ],
  {
    "id": "20ccbf9ee777b512",
    "type": "rpi-gpio out",
    "z": "8b2e65eaa8a1b981",
    "name": "",
    "pin": "18",
    "set": "",
    "level": "0",
    "freq": "",
    "out": "out",
    "bcm": true,
    "x": 540,
    "y": 140,
    "wires": []
  },
  {
    "id": "654e4f3d2e39de59",
    "type": "change",
    "z": "8b2e65eaa8a1b981",
    "name": "LED2",
    "rules": [
      {
        "t": "change",
        "p": "payload",
        "pt": "msg",
        "from": "OFF2",
        "fromt": "str",
        "to": "false",
        "tot": "bool"
      }
    ],
  },

```

```

    {
      "t": "change",
      "p": "payload",
      "pt": "msg",
      "from": "ON2",
      "fromt": "str",
      "to": "true",
      "tot": "bool"
    }
  ],
  "action": "",
  "property": "",
  "from": "",
  "to": "",
  "reg": false,
  "x": 310,
  "y": 200,
  "wires": [
    [
      "8deb816fd15e66d4"
    ]
  ]
},
{
  "id": "34b7a7cf04c52116",
  "type": "change",
  "z": "8b2e65eaa8a1b981",
  "name": "LED3",
  "rules": [
    {
      "t": "change",
      "p": "payload",
      "pt": "msg",
      "from": "OFF3",
      "fromt": "str",

```

```

        "to": "false",
        "tot": "bool"
    },
    {
        "t": "change",
        "p": "payload",
        "pt": "msg",
        "from": "ON3",
        "fromt": "str",
        "to": "true",
        "tot": "bool"
    }
],
"action": "",
"property": "",
"from": "",
"to": "",
"reg": false,
"x": 310,
"y": 260,
"wires": [
    [
        "dd0dd00eb2c37f70"
    ]
]
},
{
    "id": "a8475f845cf56db7",
    "type": "change",
    "z": "8b2e65eaa8a1b981",
    "name": "LED4",
    "rules": [
        {
            "t": "change",
            "p": "payload",

```

```

    "pt": "msg",
    "from": "OFF4",
    "fromt": "str",
    "to": "false",
    "tot": "bool"
  },
  {
    "t": "change",
    "p": "payload",
    "pt": "msg",
    "from": "ON4",
    "fromt": "str",
    "to": "true",
    "tot": "bool"
  }
],
"action": "",
"property": "",
"from": "",
"to": "",
"reg": false,
"x": 310,
"y": 320,
"wires": [
  [
    "d2606726e88afbd8"
  ]
]
},
{
  "id": "8deb816fd15e66d4",
  "type": "rpi-gpio out",
  "z": "8b2e65eaa8a1b981",
  "name": "",
  "pin": "23",

```

```

    "set": "",
    "level": "0",
    "freq": "",
    "out": "out",
    "bcm": true,
    "x": 540,
    "y": 200,
    "wires": []
  },
  {
    "id": "dd0dd00eb2c37f70",
    "type": "rpi-gpio out",
    "z": "8b2e65eaa8a1b981",
    "name": "",
    "pin": "24",
    "set": "",
    "level": "0",
    "freq": "",
    "out": "out",
    "bcm": true,
    "x": 540,
    "y": 260,
    "wires": []
  },
  {
    "id": "d2606726e88afbd8",
    "type": "rpi-gpio out",
    "z": "8b2e65eaa8a1b981",
    "name": "",
    "pin": "25",
    "set": "",
    "level": "0",
    "freq": "",
    "out": "out",
    "bcm": true,

```

```

    "x": 540,
    "y": 320,
    "wires": []
  },
  {
    "id": "29507f8258751e87",
    "type": "inject",
    "z": "8b2e65eaa8a1b981",
    "name": "",
    "props": [
      {
        "p": "payload"
      },
      {
        "p": "topic",
        "vt": "str"
      }
    ],
    "repeat": "",
    "crontab": "",
    "once": false,
    "onceDelay": 0.1,
    "topic": "",
    "payload": "",
    "payloadType": "date",
    "x": 150,
    "y": 460,
    "wires": [
      [
        "4489033cbda1a383"
      ]
    ]
  },
  {
    "id": "4489033cbda1a383",

```

```

    "type": "function",
    "z": "8b2e65eaa8a1b981",
    "name": "Tempp",
    "func": "msg.payload = \"Random Temperature = \" + Math.round(
Math.random() * 100) \nreturn msg;",
    "outputs": 1,
    "noerr": 0,
    "initialize": "",
    "finalize": "",
    "libs": [],
    "x": 310,
    "y": 460,
    "wires": [
      [
        "ad917f879d2a9742"
      ]
    ]
  },
  {
    "id": "ad917f879d2a9742",
    "type": "mqtt out",
    "z": "8b2e65eaa8a1b981",
    "name": "Flow14",
    "topic": "Flow14",
    "qos": "",
    "retain": "",
    "respTopic": "",
    "contentType": "",
    "userProps": "",
    "correl": "",
    "expiry": "",
    "broker": "217dee362b8720b0",
    "x": 520,
    "y": 460,
    "wires": []
  }

```



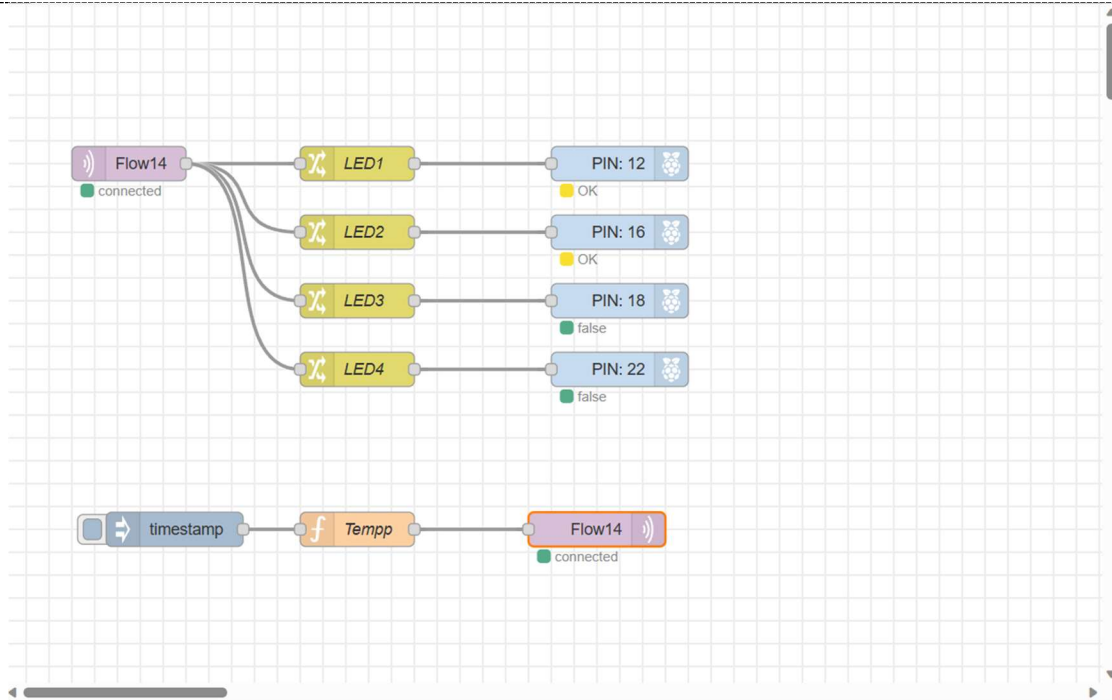
```

},
{
  "id": "35046022507d36dd",
  "type": "mqtt-broker",
  "name": "",
  "broker": "test.mosquitto.org",
  "port": "1883",
  "clientid": "",
  "autoConnect": true,
  "usetls": false,
  "protocolVersion": "4",
  "keepalive": "60",
  "cleansession": true,
  "birthTopic": "",
  "birthQos": "0",
  "birthPayload": "",
  "birthMsg": {},
  "closeTopic": "",
  "closeQos": "0",
  "closePayload": "",
  "closeMsg": {},
  "willTopic": "",
  "willQos": "0",
  "willPayload": "",
  "willMsg": {},
  "userProps": "",
  "sessionExpiry": ""
},
{
  "id": "217dee362b8720b0",
  "type": "mqtt-broker",
  "name": "MQTT-Private-Server",
  "broker": "192.168.1.49",
  "port": "1883",
  "clientid": "",

```

```
"autoConnect": true,  
"usetls": false,  
"protocolVersion": "4",  
"keepalive": "60",  
"cleansession": true,  
"birthTopic": "",  
"birthQos": "0",  
"birthPayload": "",  
"birthMsg": {},  
"closeTopic": "",  
"closeQos": "0",  
"closePayload": "",  
"closeMsg": {},  
"willTopic": "",  
"willQos": "0",  
"willPayload": "",  
"willMsg": {},  
"userProps": "",  
"sessionExpiry": ""  
}  
]
```

รูปถ่ายหน้า Web Browser



Edit mqtt in node > Edit mqtt-broker node

Delete Cancel Update

**Properties**

Name

**Connection** Security Messages

Server  Port

☒ Connect automatically

☐ Use TLS

Protocol

Client ID

Keep Alive

Session ☒ Use clean session

☐ Enabled 1 node uses this config On all flows

Plaintext

All Received Published

Random Temperature = 92  
2023-06-10 19:55:43:665

Topic: Flow14 QoS: 0  
Random Temperature = 61  
2023-06-10 19:55:43:969

Topic: Flow14 QoS: 0  
Random Temperature = 92  
2023-06-10 19:55:44:276

Topic: Flow14 QoS: 0  
Random Temperature = 52  
2023-06-10 19:55:44:276

Topic: Flow14 QoS: 0  
Random Temperature = 11  
2023-06-10 19:55:44:583

Payload: JSON QoS: 0 Retain Meta

Flow14

OFF3

publish message SyntaxError: Unexpected token O in JSON at position 0

Plaintext

All Received Published

ON3  
2023-06-10 19:57:45:643

Topic: Flow14 QoS: 0  
OFF3  
2023-06-10 19:57:50:793

Topic: Flow14 QoS: 0  
OFF3  
2023-06-10 19:57:51:105

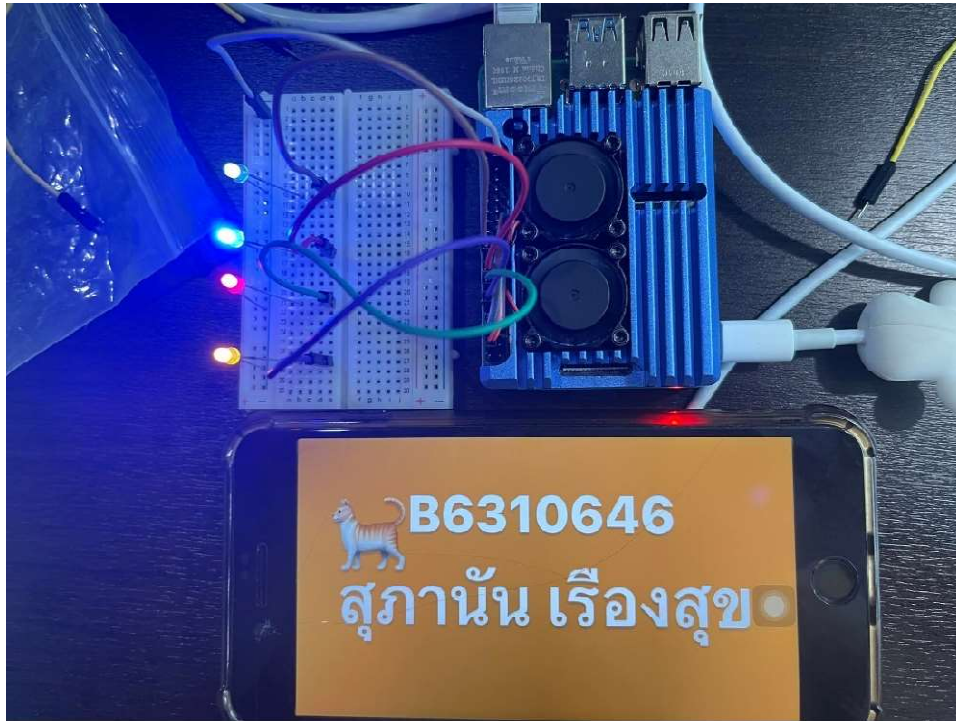
Topic: Flow14 QoS: 0  
OFF4  
2023-06-10 19:57:55:323

Payload: JSON QoS: 0 Retain Meta

Flow14

OFF4

รูปการทดสอบ 1



รูปการทดสอบ 2

