**1.**

[{"id":"1722097b.521df7","type":"tab","label":"Flow 1","disabled":false,"info":""},{"id":"ee4da772.566228","type":"rpi-gpio out","z":"1722097b.521df7","name":"Green LED","pin":"11","set":true,"level":"0","freq":"","out":"out","x":590,"y":220,"wires":[]},{"id":"71c229c0.125538","type":"rpi-gpio in","z":"1722097b.521df7","name":"Button","pin":"7","intype":"up","debounce":"25","read":true,"x":90,"y":220,"wires":[["698addec.a0af14","157deef3.ed18c1"]]},{"id":"698addec.a0af14","type":"switch","z":"1722097b.521df7","name":"if input is 1","property":"payload","propertyType":"msg","rules":[{"t":"eq","v":"1","vt":"str"},{"t":"else"}],"checkall":"true","repair":false,"outputs":2,"x":250,"y":220,"wires":[["e6a36ffd.f08bb"],["8a5ffc0b.61b36"]]},{"id":"e6a36ffd.f08bb","type":"change","z":"1722097b.521df7","name":"Change to 0","rules":[{"t":"set","p":"payload","pt":"msg","to":"0","tot":"str"}],"action":"","property":"","from":"","to":"","reg":false,"x":410,"y":140,"wires":[["ee4da772.566228"]]},{"id":"8a5ffc0b.61b36","type":"change","z":"1722097b.521df7","name":"Change to 1","rules":[{"t":"set","p":"payload","pt":"msg","to":"1","tot":"str"}],"action":"","property":"","from":"","to":"","reg":false,"x":410,"y":280,"wires":[["ee4da772.566228"]]},{"id":"157deef3.ed18c1","type":"debug","z":"1722097b.521df7","name":"","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":"payload","x":240,"y":80,"wires":[]}]

**2.**

[{"id":"5bf51b6f.b5f024","type":"tab","label":"Flow 2","disabled":false,"info":""},{"id":"aa5689a.6bfa578","type":"inject","z":"5bf51b6f.b5f024","name":"","topic":"","payload":"","payloadType":"date","repeat":"5","crontab":"","once":true,"onceDelay":"0.1","x":150,"y":120,"wires":[["d1cd08e4.7d6478"]]},{"id":"d1cd08e4.7d6478","type":"function","z":"5bf51b6f.b5f024","name":"Payload","func":"msg.headers={\n devicekey:\" mKumV0jbMLPTHnfQ\"\n};\nreturn msg;","outputs":1,"noerr":0,"x":340,"y":120,"wires":[["c28abfbc.9eb64","d4f324ec.544648"]]},{"id":"c28abfbc.9eb64","type":"http request","z":"5bf51b6f.b5f024","name":"","method":"GET","ret":"txt","url":"http://api.mediatek.com/mcs/v2/devices/ DQNvXO0B /datachannels/Humidity/datapoints.csv","tls":"","x":510,"y":120,"wires":[["9a50267d.164378","ed9a7c88.8ba8a"]]},{"id":"d4f324ec.544648","type":"http request","z":"5bf51b6f.b5f024","name":"","method":"GET","ret":"txt","url":"http://api.mediatek.com/mcs/v2/devices/DQNvXO0B/datachannels/Temperature/datapoints.csv","tls":"","x":510,"y":180,"wires":[["9a50267d.164378","ed9a7c88.8ba8a"]]},{"id":"9a50267d.164378","type":"debug","z":"5bf51b6f.b5f024","name":"","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":"false","x":740,"y":100,"wires":[]},{"id":"ed9a7c88.8ba8a","type":"http response","z":"5bf51b6f.b5f024","name":"","statusCode":"","headers":{},"x":740,"y":180,"wires":[]}]

**3.**

[{"id":"2a70e1a8.3ab88e","type":"tab","label":"Flow 3","disabled":false,"info":""},{"id":"724cc8c8.f18118","type":"inject","z":"2a70e1a8.3ab88e","name":"","topic":"","payload":"","payloadType":"date","repeat":"5","crontab":"","once":true,"onceDelay":0.1,"x":90,"y":80,"wires":[["3acf53ad.cddabc","c04fa286.3a9cd"]]},{"id":"c04fa286.3a9cd","type":"function","z":"2a70e1a8.3ab88e","name":"Payload","func":"msg.headers={\n devicekey:\" mKumV0jbMLPTHnfQ \"\n};\nmsg.payload= \"Temperature,,25.3\"\nreturn msg;","outputs":1,"noerr":0,"x":260,"y":100,"wires":[["306bd1ae.fe170e"]]},{"id":"3acf53ad.cddabc","type":"function","z":"2a70e1a8.3ab88e","name":"Payload","func":"msg.headers={\n devicekey:\" mKumV0jbMLPTHnfQ \"\n};\nmsg.payload= \"Humidity,,55\"\nreturn msg;","outputs":1,"noerr":0,"x":260,"y":60,"wires":[["5a01135f.f2e8fc"]]},{"id":"5a01135f.f2e8fc","type":"http request","z":"2a70e1a8.3ab88e","name":"","method":"POST","ret":"txt","url":"https://api.mediatek.com/mcs/v2/devices/ DQNvXO0B /datapoints.csv","tls":"","x":450,"y":60,"wires":[["3e84c57e.5e8eba","42c77500.38b52c"]]},{"id":"306bd1ae.fe170e","type":"http request","z":"2a70e1a8.3ab88e","name":"","method":"POST","ret":"txt","url":"https://api.mediatek.com/mcs/v2/devices/ DQNvXO0B /datapoints.csv","tls":"","x":450,"y":100,"wires":[["42c77500.38b52c","3e84c57e.5e8eba"]]},{"id":"3e84c57e.5e8eba","type":"http response","z":"2a70e1a8.3ab88e","name":"","statusCode":"","headers":{},"x":690,"y":60,"wires":[]},{"id":"42c77500.38b52c","type":"debug","z":"2a70e1a8.3ab88e","name":"","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":"false","x":710,"y":100,"wires":[]}]

**4.**

[{"id":"b031fda9.18253","type":"tab","label":"Flow 4","disabled":false,"info":""},{"id":"b662aa46.bfa968","type":"http in","z":"b031fda9.18253","name":"","url":"/pin4","method":"get","upload":false,"swaggerDoc":"","x":110,"y":80,"wires":[["9cdd67a7.de4aa8"]]},{"id":"81e8ab42.2395b8","type":"rpi-gpio in","z":"b031fda9.18253","name":"GPIO4","pin":"7","intype":"up","debounce":"25","read":true,"x":110,"y":220,"wires":[["34ab03d0.35eccc"]]},{"id":"34ab03d0.35eccc","type":"function","z":"b031fda9.18253","name":"Set GPIO","func":"global.set(\"GPIO\",msg.payload)\nreturn msg;","outputs":1,"noerr":0,"x":300,"y":220,"wires":[["c1aa3b7c.cfe0c8","f3dbd924.3eb868"]]},{"id":"9cdd67a7.de4aa8","type":"function","z":"b031fda9.18253","name":"Get GPIO","func":"msg.payload =global.get(\"GPUO\");\nreturn msg;","outputs":1,"noerr":0,"x":300,"y":80,"wires":[["f3dbd924.3eb868","c1aa3b7c.cfe0c8"]]},{"id":"f3dbd924.3eb868","type":"http response","z":"b031fda9.18253","name":"","statusCode":"","headers":{},"x":570,"y":80,"wires":[]},{"id":"c1aa3b7c.cfe0c8","type":"debug","z":"b031fda9.18253","name":"","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":"payload","x":590,"y":220,"wires":[]}]

5.

[{"id":"66bc45d8.3e428c","type":"tab","label":"Flow 5","disabled":false,"info":""},{"id":"d0df343c.93ece8","type":"http in","z":"66bc45d8.3e428c","name":"SET GPIO5","url":"/setgpio5","method":"get","upload":false,"swaggerDoc":"","x":100,"y":100,"wires":[["32c3bd94.9aa0e2","e02d60f9.08601"]]},{"id":"e02d60f9.08601","type":"function","z":"66bc45d8.3e428c","name":"Set to 1","func":"msg.payload = 1;\nreturn msg;","outputs":1,"noerr":0,"x":300,"y":180,"wires":[["cb2bdf7d.4c28d"]]},{"id":"cb2bdf7d.4c28d","type":"rpi-gpio out","z":"66bc45d8.3e428c","name":"","pin":"29","set":"","level":"0","freq":"","out":"out","x":460,"y":240,"wires":[]},{"id":"32c3bd94.9aa0e2","type":"function","z":"66bc45d8.3e428c","name":"Return Status","func":"msg.payload = \"GPIO5 set to HIGH\"\nreturn msg;","outputs":1,"noerr":0,"x":360,"y":100,"wires":[["39e511b6.36fb9e","77a1ec6c.31f9e4"]]},{"id":"39e511b6.36fb9e","type":"debug","z":"66bc45d8.3e428c","name":"","active":true,"tosidebar":true,"console":false,"tostatus":false,"complete":"false","x":700,"y":100,"wires":[]},{"id":"77a1ec6c.31f9e4","type":"http response","z":"66bc45d8.3e428c","name":"","statusCode":"","headers":{},"x":730,"y":380,"wires":[]},{"id":"c08ee8ba.9a0f88","type":"http in","z":"66bc45d8.3e428c","name":"Clear GPIO5","url":"/clear5","method":"get","upload":false,"swaggerDoc":"","x":110,"y":380,"wires":[["f3aac733.67ee78","40ba56c1.fb4658"]]},{"id":"f3aac733.67ee78","type":"function","z":"66bc45d8.3e428c","name":"Clear to 0","func":"msg.payload = 0;\nreturn msg;","outputs":1,"noerr":0,"x":300,"y":300,"wires":[["cb2bdf7d.4c28d"]]},{"id":"40ba56c1.fb4658","type":"function","z":"66bc45d8.3e428c","name":"Return Status","func":"msg.payload = \"GPIO5 set to LOW\";\nreturn msg;","outputs":1,"noerr":0,"x":360,"y":380,"wires":[["39e511b6.36fb9e","77a1ec6c.31f9e4"]]}]