Challenge Solution – LIFO FIFO

LIFO FIFO

If you are unable to solve the task, no worries, you can check the solution below. Feel free to use and optimize it. If you want to be creative, you can make some dashboard to display the values.

```
[
    {
        "id": "4ef985ae6f72e0e4",
        "type": "inject",
        "z": "36e7eaac74bf7235",
        "name": "Insert",
        "props": [
            {
                "p": "payload"
            },
            {
                "p": "topic",
                "vt": "str"
            }
        ],
        "repeat": "",
        "crontab": "",
        "once": false,
        "onceDelay": 0.1,
        "topic": "",
        "payload": "",
        "payloadType": "date",
        "x": 130,
        "y": 1320,
        "wires": [
            [
                "9678e32fef8897c8"
            ]
        ]
    },
    {
        "id": "9678e32fef8897c8",
        "type": "function",
        "z": "36e7eaac74bf7235",
        "name": "Insert",
        "func": "var arr =
flow.get('arr')||[];\narr.push(Math.floor(Math.random()*100));\nmsg.payload =
arr;\nflow.set('arr',arr);\nreturn msg;",
        "outputs": 1,
```

```json
        "timeout": 0,
        "noerr": 0,
        "initialize": "",
        "finalize": "",
        "libs": [],
        "x": 290,
        "y": 1320,
        "wires": [
            [
                "56a84b9e9f1e6dd6"
            ]
        ]
    },
    {
        "id": "56a84b9e9f1e6dd6",
        "type": "debug",
        "z": "36e7eaac74bf7235",
        "name": "debug 1",
        "active": true,
        "tosidebar": true,
        "console": false,
        "tostatus": false,
        "complete": "false",
        "statusVal": "",
        "statusType": "auto",
        "x": 460,
        "y": 1320,
        "wires": []
    },
    {
        "id": "103118bac801d946",
        "type": "inject",
        "z": "36e7eaac74bf7235",
        "name": "",
        "props": [
            {
                "p": "payload"
            },
            {
                "p": "topic",
                "vt": "str"
            }
        ],
        "repeat": "",
        "crontab": "",
        "once": false,
        "onceDelay": 0.1,
```

```json
        "topic": "",
        "payload": "",
        "payloadType": "date",
        "x": 140,
        "y": 1360,
        "wires": [
            [
                "f703167ce5c2004d"
            ]
        ]
    },
    {
        "id": "f703167ce5c2004d",
        "type": "function",
        "z": "36e7eaac74bf7235",
        "name": "LIFO",
        "func": "var arr = flow.get('arr')||[];\nmsg.payload = arr[arr.length-1];\narr.pop();\nflow.set('arr',arr);\nreturn msg;",
        "outputs": 1,
        "timeout": 0,
        "noerr": 0,
        "initialize": "",
        "finalize": "",
        "libs": [],
        "x": 290,
        "y": 1360,
        "wires": [
            [
                "f3e0ce76eb279d7a"
            ]
        ]
    },
    {
        "id": "f3e0ce76eb279d7a",
        "type": "debug",
        "z": "36e7eaac74bf7235",
        "name": "debug 2",
        "active": true,
        "tosidebar": true,
        "console": false,
        "tostatus": false,
        "complete": "false",
        "statusVal": "",
        "statusType": "auto",
        "x": 460,
        "y": 1360,
        "wires": []
```

```json
    },
    {
        "id": "19fb1daf1cd0c558",
        "type": "function",
        "z": "36e7eaac74bf7235",
        "name": "FIFO",
        "func": "var arr = flow.get('arr')||[];\nmsg.payload = arr[0];\narr.shift();\nflow.set('arr',arr);\nreturn msg;",
        "outputs": 1,
        "timeout": 0,
        "noerr": 0,
        "initialize": "",
        "finalize": "",
        "libs": [],
        "x": 290,
        "y": 1400,
        "wires": [
            [
                "63768e5e8fe24f17"
            ]
        ]
    },
    {
        "id": "33c3b243f476e0ea",
        "type": "inject",
        "z": "36e7eaac74bf7235",
        "name": "",
        "props": [
            {
                "p": "payload"
            },
            {
                "p": "topic",
                "vt": "str"
            }
        ],
        "repeat": "",
        "crontab": "",
        "once": false,
        "onceDelay": 0.1,
        "topic": "",
        "payload": "",
        "payloadType": "date",
        "x": 140,
        "y": 1400,
        "wires": [
            [
```

```
                    "19fb1daf1cd0c558"
                ]
            ]
        },
        {
            "id": "63768e5e8fe24f17",
            "type": "debug",
            "z": "36e7eaac74bf7235",
            "name": "debug 3",
            "active": true,
            "tosidebar": true,
            "console": false,
            "tostatus": false,
            "complete": "false",
            "statusVal": "",
            "statusType": "auto",
            "x": 460,
            "y": 1400,
            "wires": []
        }
    ]
```