物聯網實務第八周作業

電機四乙10828241 陳大荃

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Exercise 8-1 Request data from HHINU2017
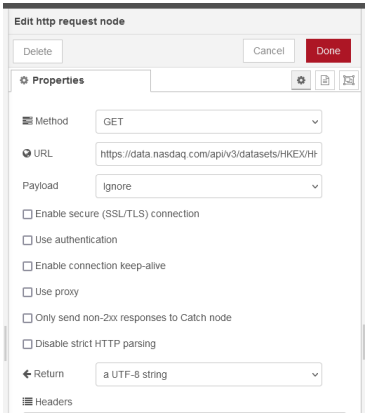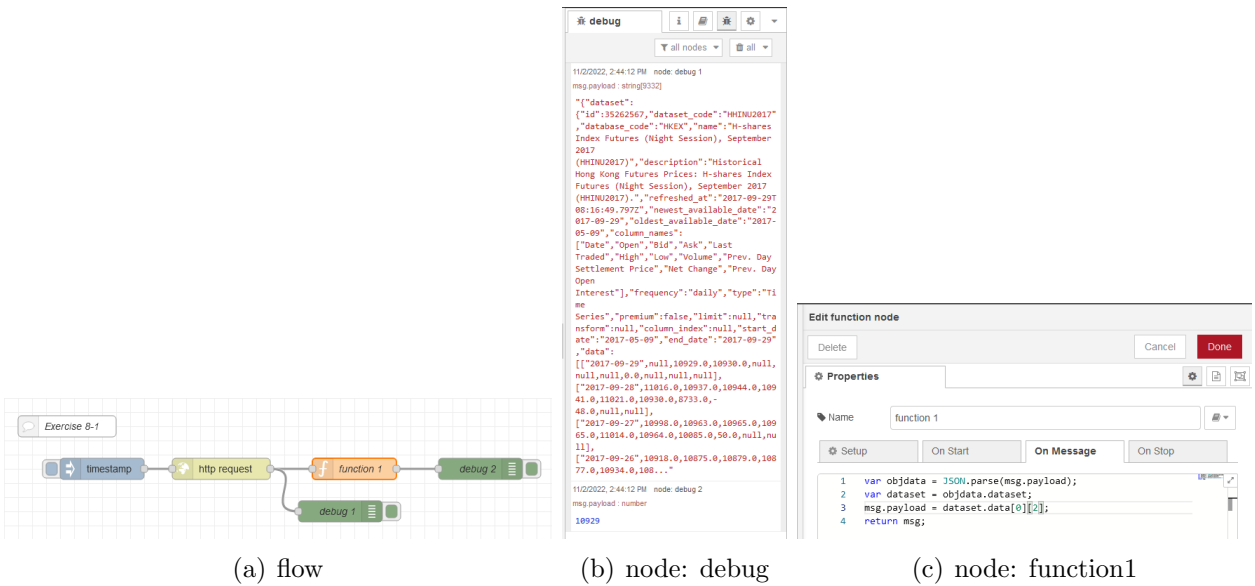

(a) flow

✳ debug

▼ all nodes ▾   🗑 all ▾

11/2/2022, 2:44:12 PM   node: debug 1
msg.payload : string[9332]

"{"dataset":
{"id":35262567,"dataset_code":"HHINU2017"
,"database_code":"HKEX","name":"H-shares
Index Futures (Night Session), September
2017
(HHINU2017)","description":"Historical
Hong Kong Futures Prices: H-shares Index
Futures (Night Session), September 2017
(HHINU2017).","refreshed_at":"2017-09-29T
08:16:49.797Z","newest_available_date":"2
017-09-29","oldest_available_date":"2017-
05-09","column_names":
["Date","Open","Bid","Ask","Last
Traded","High","Low","Volume","Prev. Day
Settlement Price","Net Change","Prev. Day
Open
Interest"],"frequency":"daily","type":"Ti
me
Series","premium":false,"limit":null,"tra
nsform":null,"column_index":null,"start_d
ate":"2017-05-09","end_date":"2017-09-29"
,"data":
[["2017-09-29",null,10929.0,10930.0,null,
null,null,0.0,null,null,null],
["2017-09-28",11016.0,10937.0,10944.0,109
41.0,11021.0,10930.0,8733.0,-
48.0,null,null],
["2017-09-27",10998.0,10963.0,10965.0,109
65.0,11014.0,10964.0,10085.0,50.0,null,nu
ll],
["2017-09-26",10918.0,10875.0,10879.0,108
77.0,10934.0,108..."

11/2/2022, 2:44:12 PM   node: debug 2
msg.payload : number

10929

(b) node: debug

Edit function node

Delete   Cancel   Done

⚙ Properties

🏷 Name   function 1

⚙ Setup   On Start   **On Message**   On Stop

```
1   var objdata = JSON.parse(msg.payload);
2   var dataset = objdata.dataset;
3   msg.payload = dataset.data[0][2];
4   return msg;
```

(c) node: function1

Edit http request node

Delete   Cancel   Done

⚙ Properties

≡ Method   GET

🌐 URL   https://data.nasdaq.com/api/v3/datasets/HKEX/HF

Payload   Ignore

☐ Enable secure (SSL/TLS) connection

☐ Use authentication

☐ Enable connection keep-alive

☐ Use proxy

☐ Only send non-2xx responses to Catch node

☐ Disable strict HTTP parsing

← Return   a UTF-8 string

≡ Headers

(d) node: http request

Figure 1: Exercise 8-1.

Exercise 8-2 Get data array

(a) flow

(b) node: debug

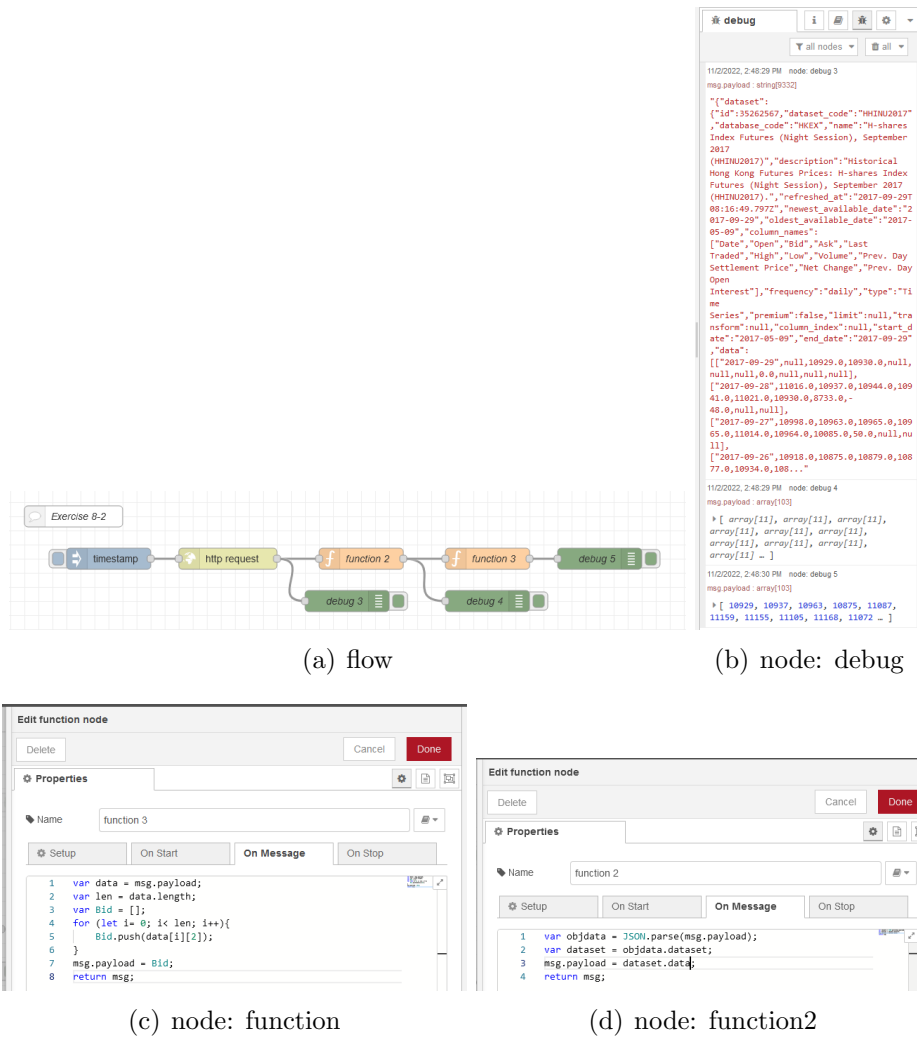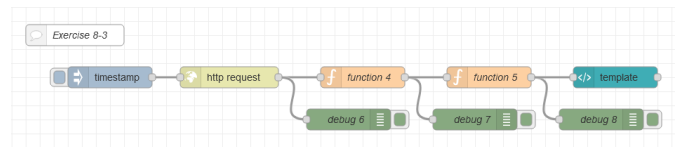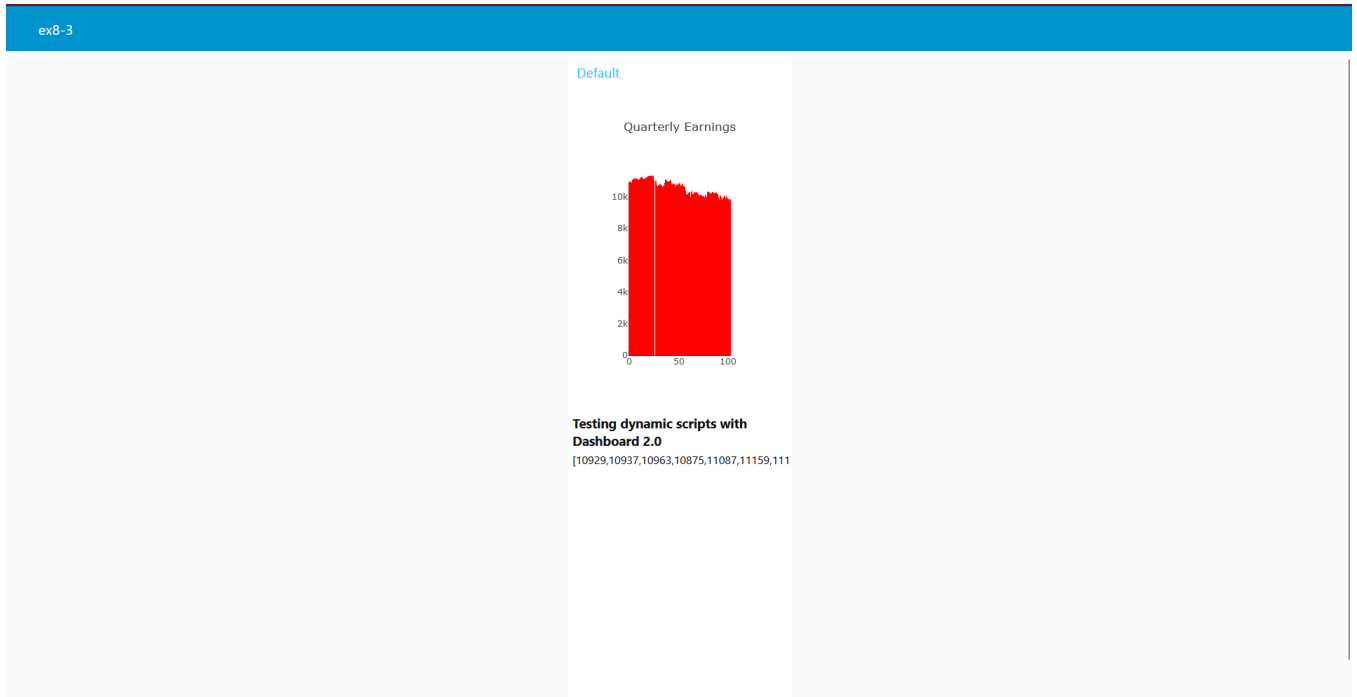(c) node: function

(d) node: function2

Figure 2: Exercise 8-2.

Exercise 8-3 Plot data array

(a) flow

(b) node: dashboard

Figure 3: Exercise 8-3.
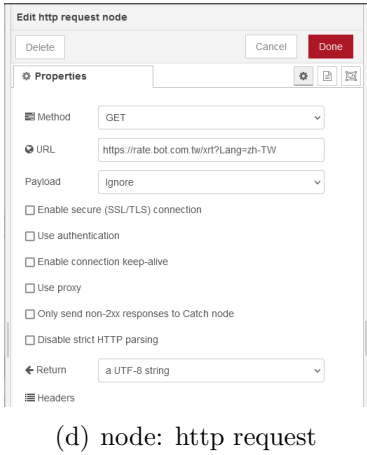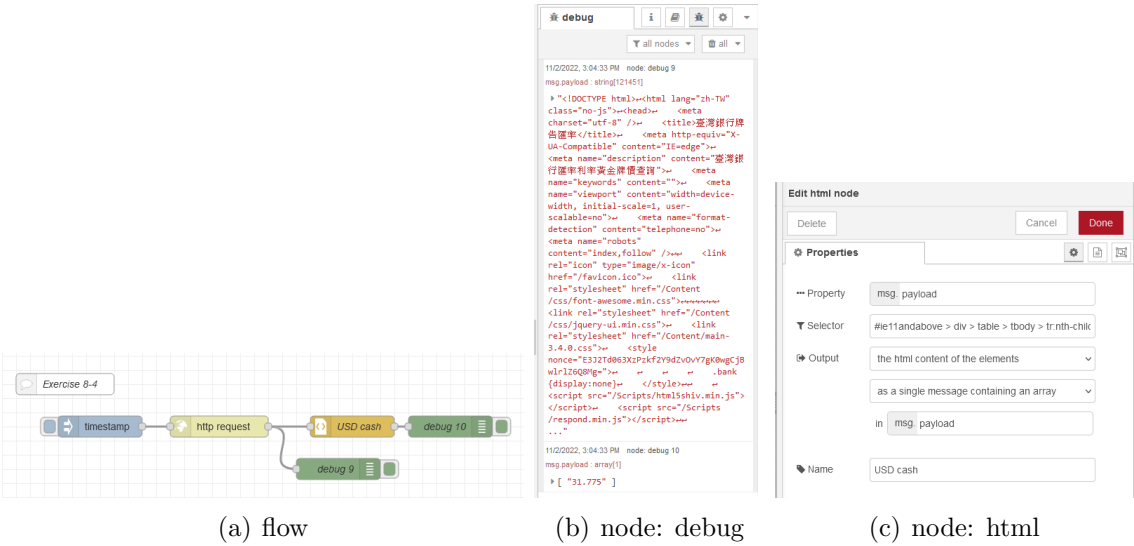
Exercise 8-4 Request currency data

(a) flow

(b) node: debug

(c) node: html

(d) node: http request

Figure 4: Exercise 8-4.