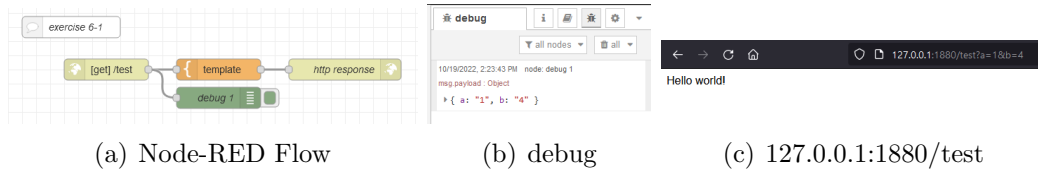


物聯網實務第六周作業

電機四乙10828241 陳大荃

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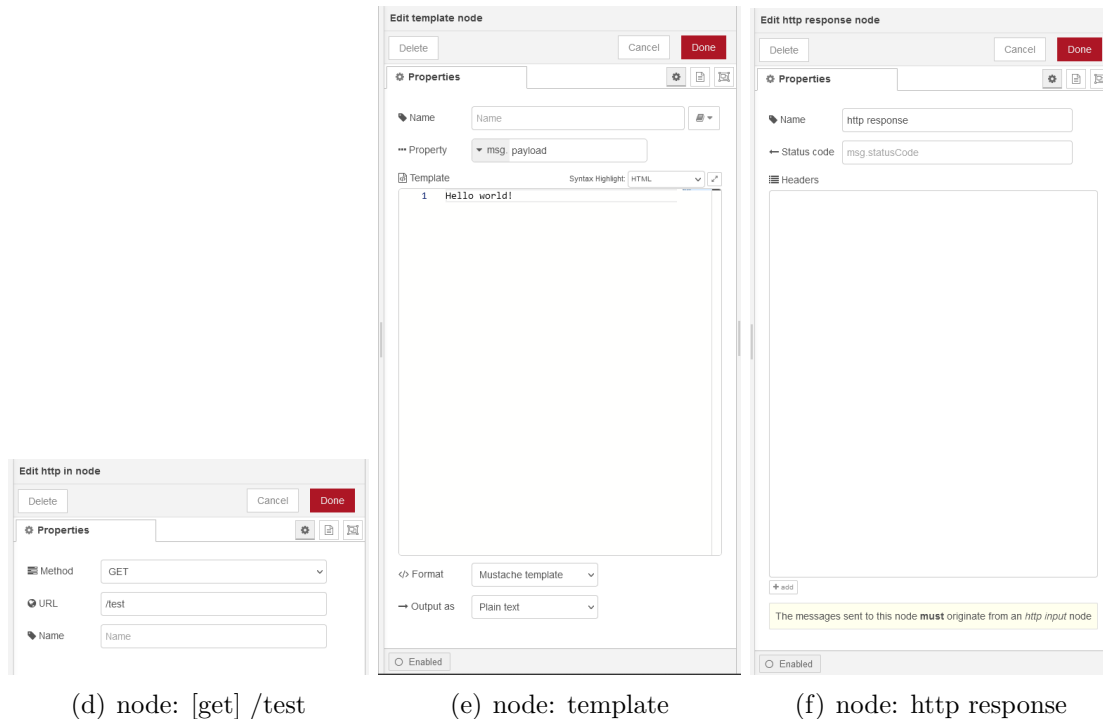
Exercise 6-1 GET and http response.



(a) Node-RED Flow

(b) debug

(c) 127.0.0.1:1880/test



(d) node: [get] /test

(e) node: template

(f) node: http response

Figure 1: Exercise 6-1.

Exercise 6-2 Design of a voting system.

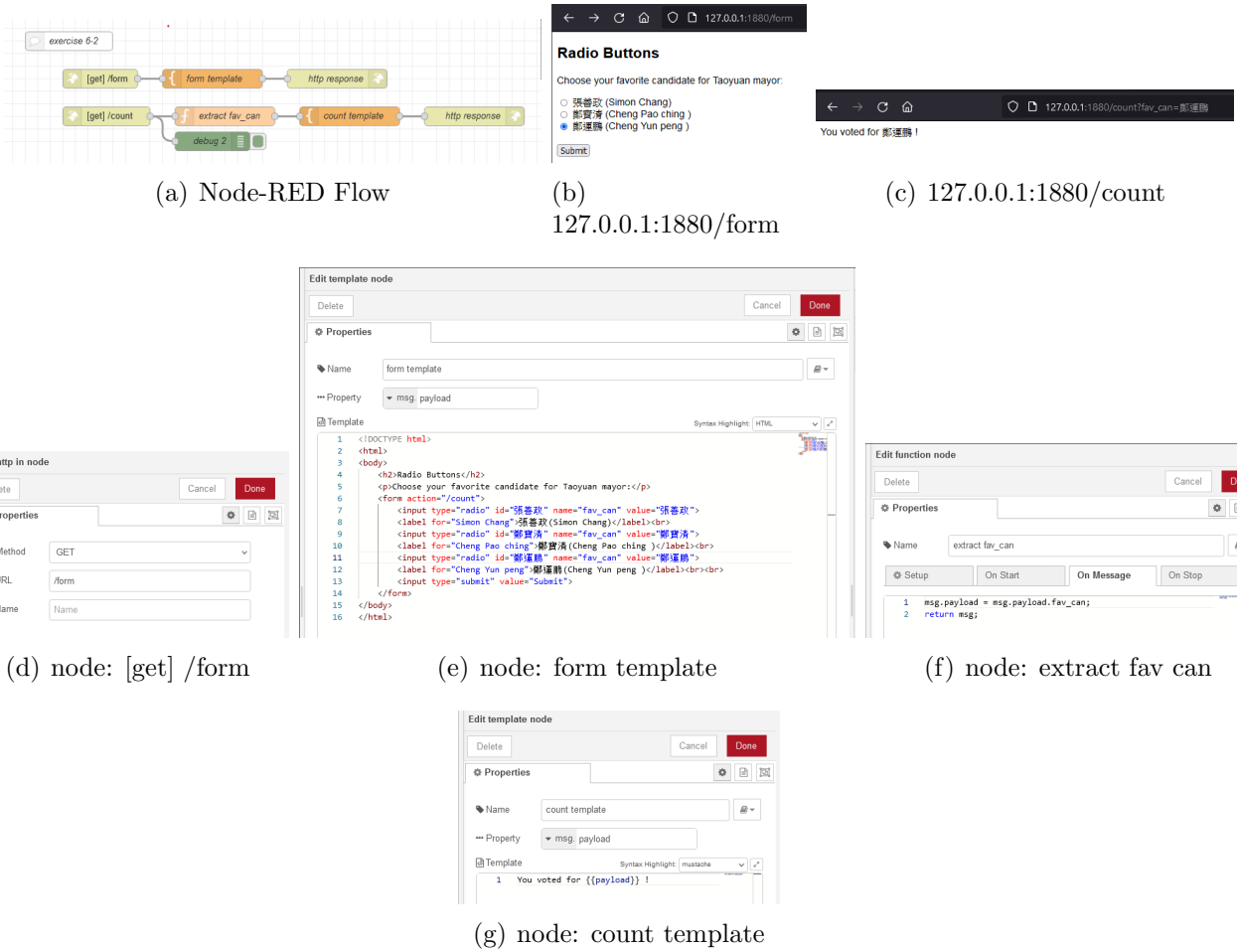


Figure 2: Exercise 6-2 (new nodes).

Exercise 6-3 Evaluate the voting results.

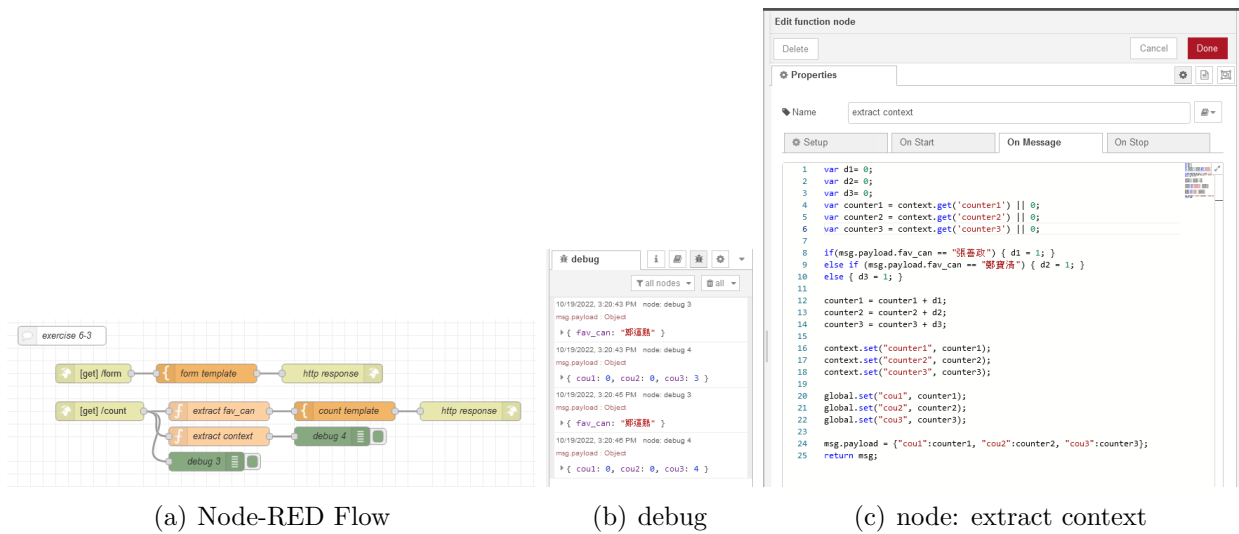
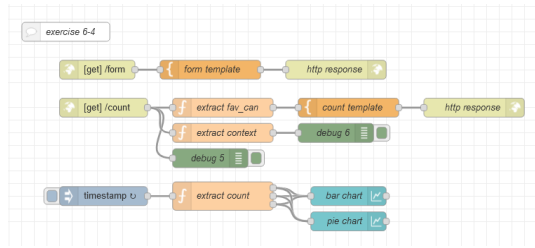
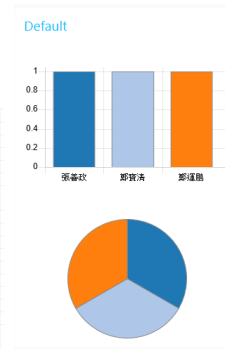


Figure 3: Exercise 6-3 (new nodes).

Exercise 6-4 Visualize the voting results.



(a) Node-RED Flow



(b) Dashboard

context	
Node	none selected
Flow	refresh to load
Global	
10/19/2022, 10:53:09 PM	
cou1	1
cou2	1
cou3	1

(c) Context

```

1 var msg1={};
2 var msg2={};
3 var msg3={};
4
5 msg1.payload = global.get("cou1");
6 msg1.topic = "张磊政";
7 msg2.payload = global.get("cou2");
8 msg2.topic = "彭程浩";
9 msg3.payload = global.get("cou3");
10 msg3.topic = "彭程皓";
11
12 return [msg1, msg2, msg3];

```

(d) node: extract count

Delete

Cancel

Done

Properties

Group

[ex6-3] Default

Size

auto

Label

optional chart title

Type

Bar chart

Y-axis

min

max

Legend

None

Series Colours

Use first colour for all bars

Blue

Light Blue

Orange

Green

Light Green

Red

Pink

Purple

Blank label

display this text before valid data arrives

Class

Optional CSS class name(s) for widget

Name

bar chart

(e) node: bar

Delete

Cancel

Done

Properties

Group

[ex6-3] Default

Size

auto

Label

optional chart title

Type

Pie chart

Legend

None

Cutout

0

%

Series Colours

Blue

Light Blue

Orange

Green

Light Green

Red

Pink

Purple

Blank label

display this text before valid data arrives

Class

Optional CSS class name(s) for widget

Name

pie chart

(f) node: pie

Figure 4: Exercise 6-4 (new nodes).

Exercise 6-5 Design a voting system for four candidates.

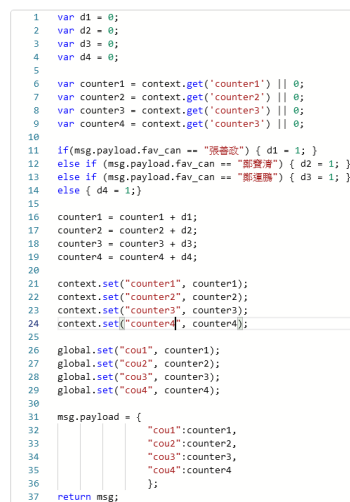
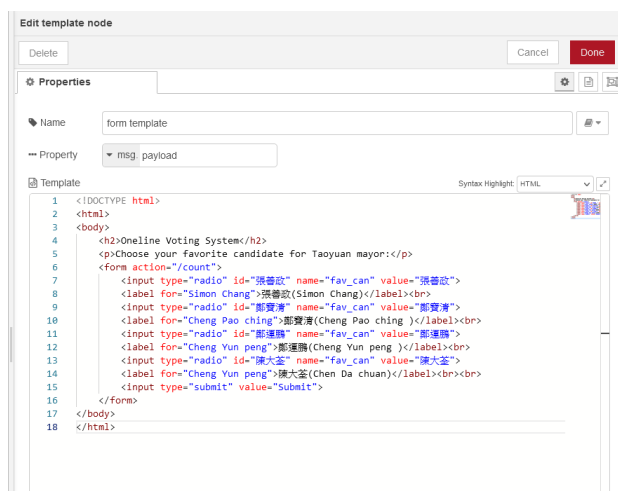
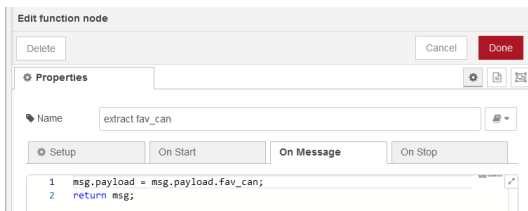
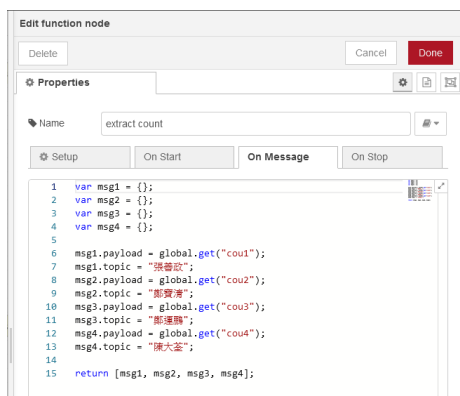
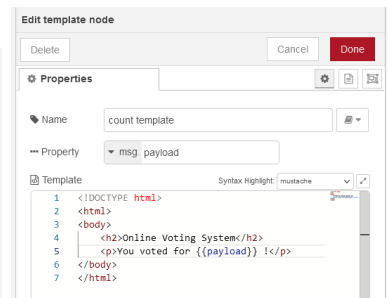
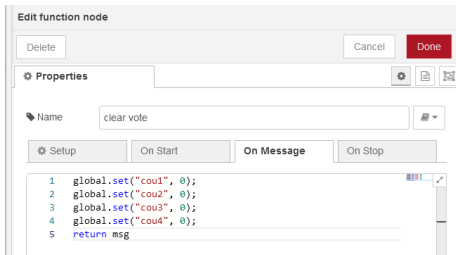
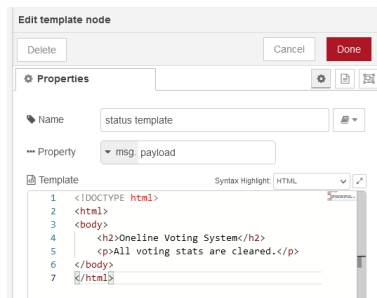
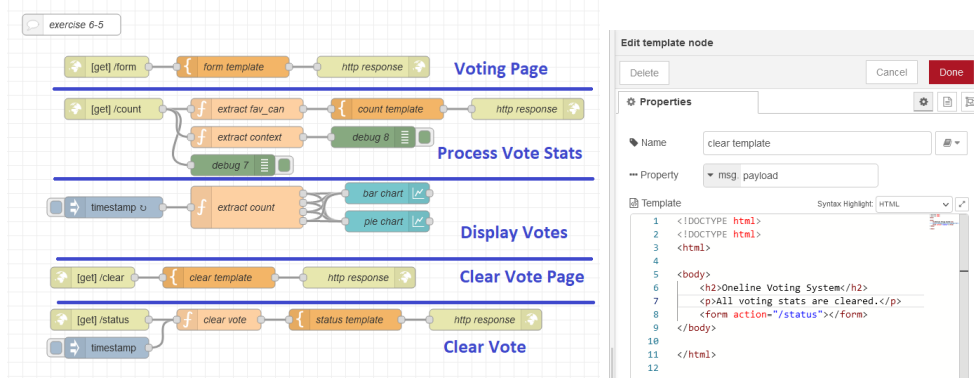


Figure 5: Exercise 6-5 (new nodes).