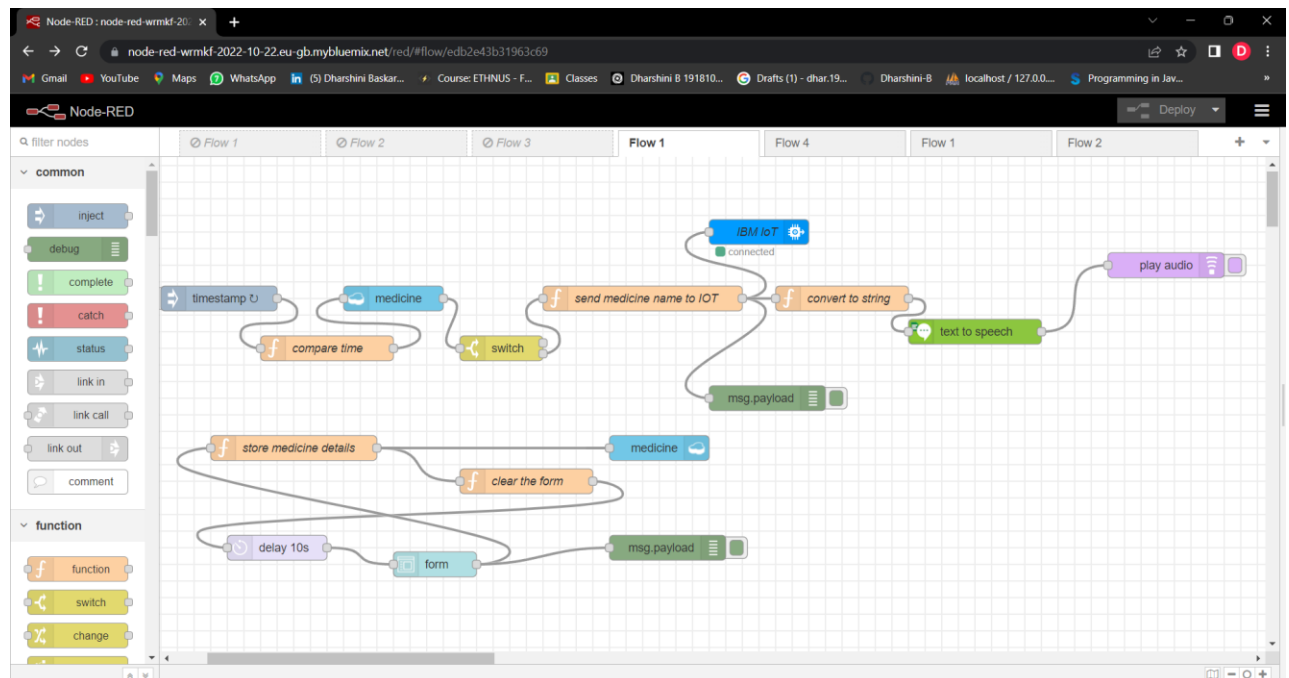


WRITE A FUNCTION TO COMPARE THE TIME

Date	11 NOV 2022
Team ID	PNT2022TMID07000
Project name	Personal Assistance For Seniors Who Are Self-Reliant
Team Members	Dharshini B, Indhirani S, Jayameenakshi S, Jayapriya G, Varshini S
College Name	Government College of Technology, Coimbatore.

1.Create the nodes and connect them according the requirements of the medicinal reminder:



2.Code the following functions:

The screenshot displays the Node-RED web interface in a browser. The main workspace shows a flow diagram with several nodes: a 'timestamp' node, a 'medicine' node, a 'compare time' function node, a 'switch' node, a 'send medicine name to IOT' function node, a 'store medicine details' function node, a 'clear the form' function node, a 'delay 10s' node, a 'form' node, and a 'msg.payload' node. The 'Edit function node' panel is open on the right, showing the 'compare time' function. The code in the panel is as follows:

```
1 var d=new Date()
2 var utc=d.getTime()+(d.getTimezoneOffset()*60000);
3 var offset = 5.5;
4 newDate = new Date(utc+(3600000*offset));
5 var n =newDate.toISOString()
6 var date = n.slice(0,10)
7 var time=n.slice(11,16)
8 global.set("time",time)
9 msg.payload=date+" "+time
10 return msg;
```

The 'Enabled' checkbox at the bottom of the panel is checked.

Node-RED: node-red-wrmkf-20

node-red-wrmkf-2022-10-22-eu-gb.mybluemix.net/red/#flow/edb2e43b31963c69

Node-RED

Filter nodes

common

- inject
- debug
- complete
- catch
- status
- link in
- link call
- link out
- comment

function

- function
- switch
- change

Flow 1

Flow 2

Flow 3

Flow 1

timestamp

medicine

compare time

switch

send medicine name to IOT

store medicine details

clear the form

delay 10s

form

msg.payload

Edit function node

Delete

Cancel

Done

Properties

Name

send medicine name to IOT

Setup

On Start

On Message

On Stop

```
1 msg.payload=msg.payload.name
2 return msg;
```

Enabled

Node-RED: node-red-wrmkf-20

node-red-wrmkf-2022-10-22-eu-gb.mybluemix.net/red/#flow/edb2e43b31963c69

Node-RED

Filter nodes

common

- inject
- debug
- complete
- catch
- status
- link in
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function

- function
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- change

Flow 1

Flow 2

Flow 3

Flow 1

timestamp

medicine

compare time

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send medicine name to IOT

store medicine details

clear the form

delay 10s

form

msg.payload

Edit function node

Delete

Cancel

Done

Properties

Name

store medicine details

Setup

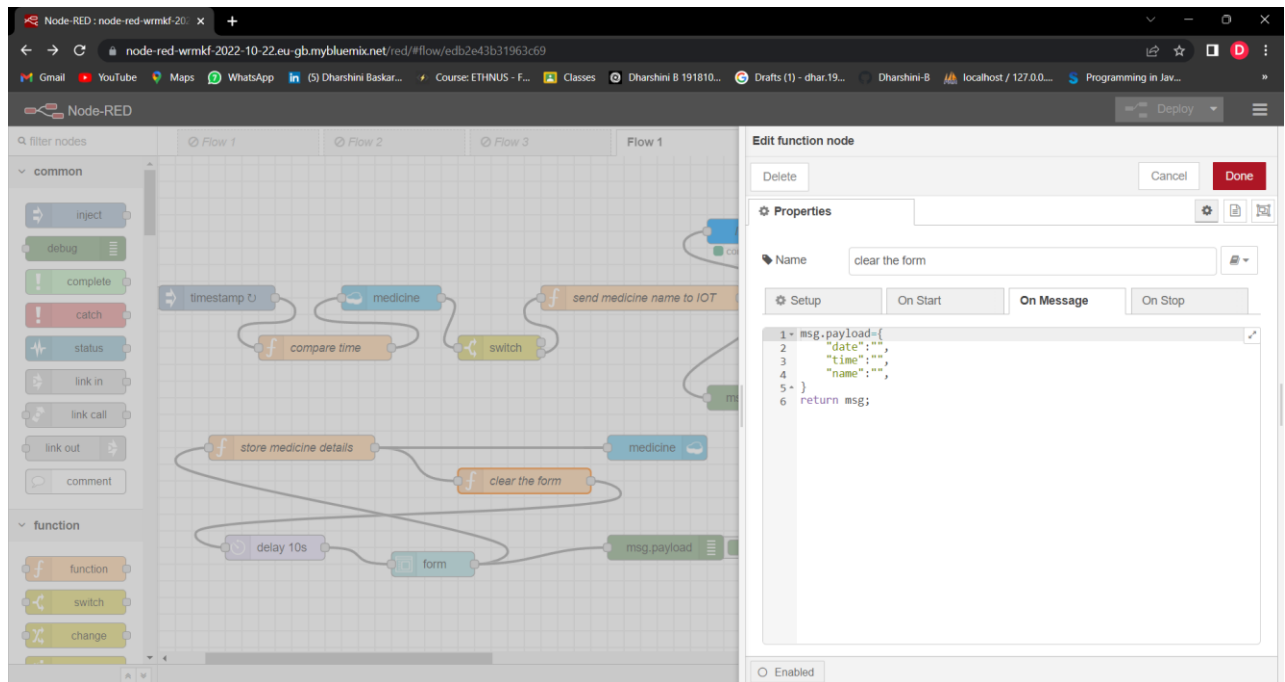
On Start

On Message

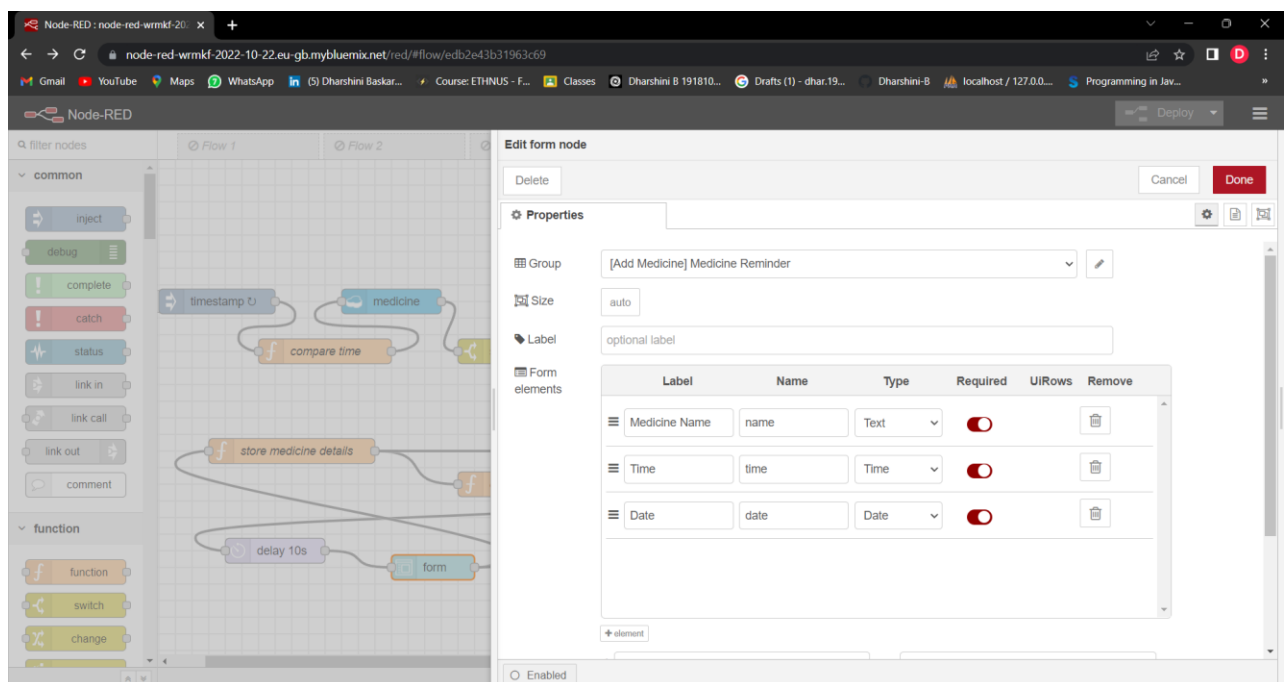
On Stop

```
1 var d=msg.payload.date;
2 var t=msg.payload.time;
3 var name=msg.payload.name;
4 var date = d.slice(0,10);
5 var time=t.slice(10,25);
6 var hit=new Date(date+time);
7 hit.setDate(hit.getDate() + 1);
8 var utc=hit.getTime()+((hit.getTimezoneOffset()*60000));
9 var offset=5.5;
10 newDate = new Date(utc+(3600000*offset));
11 var n =newDate.toISOString();
12 var da = n.slice(0,10);
13 var ti=n.slice(11,16);
14 msg.payload={
15   "_id": da+" "+ti,
16   "name": name
17 }
18 return msg;
```

Enabled



3.Created a form to get the inputs like the name of the medicine,date it should be taken and then the specific time to be taken:



4.After deploying:

Node-RED Dashboard

node-red-wmkf-2022-10-22-eu-gb.mybluemix.net/ul/#/0?socketid=a0DgU_EgErHD3mb9AAAR

Gmail YouTube Maps WhatsApp (5) Dharshini Baskar... Course: ETHNUS - F... Classes Dharshini B 191810... Drafts (1) - dhar.19... Dharshini-B localhost / 127.0.0... Programming in Jav...

≡ Add Medicine

Medicine Reminder

Medicine Name *

Time *

--:--

Date *

dd-mm-yyyy

SUBMIT CANCEL

5.The outputs are entered:

Node-RED Dashboard

node-red-wmkf-2022-10-22-eu-gb.mybluemix.net/ul/#/0?socketid=a0DgU_EgErHD3mb9AAAR

Gmail YouTube Maps WhatsApp (5) Dharshini Baskar... Course: ETHNUS - F... Classes Dharshini B 191810... Drafts (1) - dhar.19... Dharshini-B localhost / 127.0.0... Programming in Jav...

≡ Add Medicine

Medicine Reminder

Medicine Name *

Chloroform

Time *

23:02

Date *

19-11-2022

SUBMIT CANCEL

6.The required outputs are displayed :

The screenshot displays a web application interface for managing documents. The browser address bar shows the URL: `15e4c53d-5af6-460a-ac5d-1d371423c7a0-bluemix.cloudant.com/dashboard.html#database/medicine/_all_docs`. The application has a dark sidebar on the left with icons for navigation and a 'Log Out' button at the bottom. The main content area is titled 'medicine' and features a 'Document ID' dropdown, 'Options', 'JSON', and a 'Create Document' button. Below these are tabs for 'Table', 'Metadata', and 'JSON'. The 'Table' tab is active, showing a list of documents with columns for '_id' and 'name'. The documents are listed in descending order of creation time. The bottom of the interface shows pagination information: 'Showing 2 of 3 columns. ☐ Show all columns.' and 'Showing document 1 - 11. Documents per page: 20'.

_id	name
2022-11-19 20:09	Paracetamol
2022-11-19 20:41	dolo650
2022-11-19 20:47	Amacilin
2022-11-19 20:51	Dolo650
2022-11-19 20:56	paracetamol
2022-11-19 21:03	dolo
2022-11-19 21:11	dolo
2022-11-19 21:18	Rexin
2022-11-19 23:02	Chloroform
2022-11-21 20:13	dolo650
2022-11-22 20:18	paracetomeol