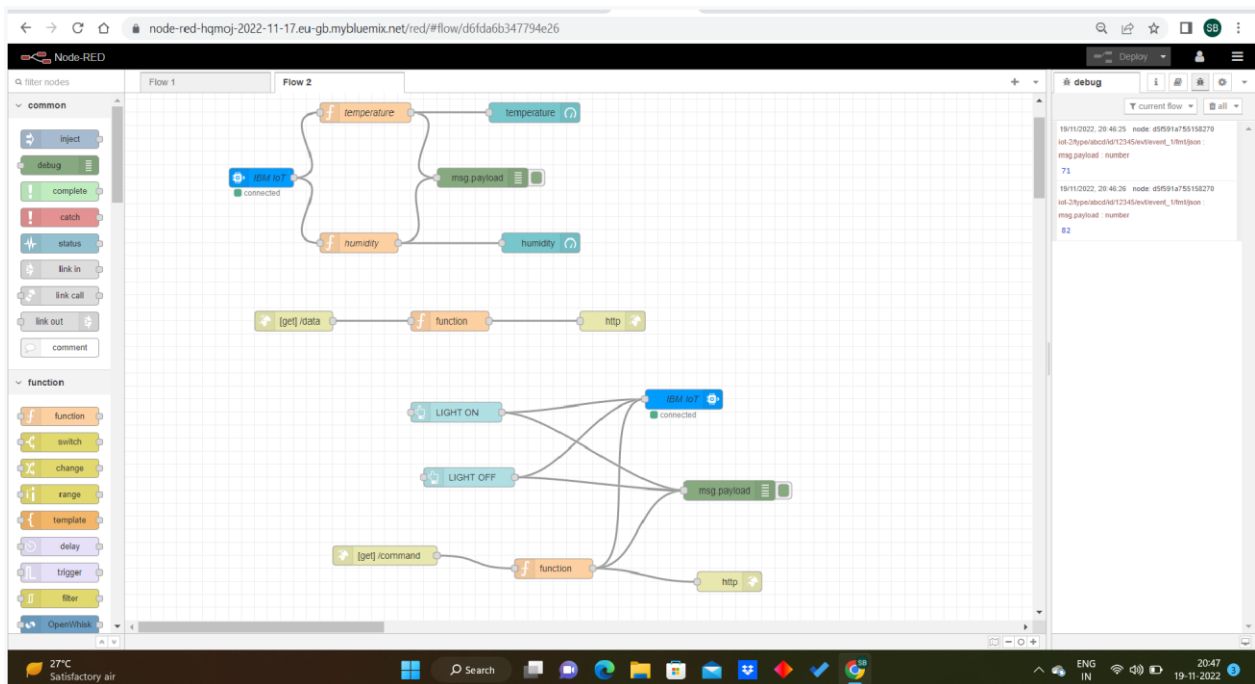


CONFIGURE THE APPLICATION TO RECEIVE THE DATA FROM CLOUD

TEAM ID PNT2022TMID14695

NODE RED FLOW CREATED TO GET VALUES



CONFIGURING THE FUNCTION TO FETCH THE DESIRED VALUES

The screenshot shows the Node-RED web interface in a browser. The main workspace displays a flow with several nodes: an IBM IoT node, a function node, and an http node. The left sidebar contains a palette of nodes categorized into 'common' and 'function'. The right sidebar shows the 'Edit ibmiot node' configuration panel. The 'Properties' section includes fields for 'API Key' (b455e5e5947d088a), 'Input Type' (Device Event), 'Device Type' (All or +), 'Device Id' (device id e.g. sb12cd231a21), 'Event' (All or +), 'Format' (All or json), 'GoS' (0), 'Name' (IBM IoT), and 'Service' (registered). A yellow tooltip message is visible: 'Use the Input Type property to configure this node to receive Events sent by IoT Devices, Commands sent to IoT Devices, Status Messages referring to IoT Devices, or Status Messages referring to IoT Applications. Check the info tab, to get more information about each of the fields'. The bottom status bar shows the system clock as 20:49 on 19-11-2022.

The screenshot shows the Node-RED web interface with the 'Edit function node' configuration panel open. The 'Name' field is set to 'temperature'. The 'Setup' tab is selected, and the code editor contains the following JavaScript code:

```
1 global.set("temperature",msg.payload.temp);
2 msg.payload=msg.payload.temp;
3 return msg;
```

The main workspace shows the same flow as the previous screenshot, but the configuration panel is now for the function node. The bottom status bar shows the system clock as 20:49 on 19-11-2022.

node-red-hqmoj-2022-11-17.eu-gb.mybluemix.net/red/#flow/d6fda6b347794e26

Node-RED

Flow 1 Flow 2

common

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

function

- function
- switch
- change
- range

Flow 1

Flow 2

debug

current flow

iot-2/type/efghid/56789/ev/evnt_1/rtm/json :
msg payload : number
60

19/11/2022, 18:30:27 node: d5591a755158270
iot-2/type/efghid/56789/ev/evnt_1/rtm/json :
msg payload : number
83

19/11/2022, 18:30:44 node: 9f8a0e490ab84a3
msg payload : string[7]
"lighton"

19/11/2022, 18:30:50 node: d5591a755158270
iot-2/type/efghid/56789/ev/evnt_1/rtm/json :
msg payload : number
43

19/11/2022, 18:30:51 node: d5591a755158270
iot-2/type/efghid/56789/ev/evnt_1/rtm/json :
msg payload : number
81

19/11/2022, 18:30:51 node: d5591a755158270
iot-2/type/abcdid/12345/ev/evnt_1/rtm/json :
msg payload : number
27

19/11/2022, 18:30:51 node: d5591a755158270
iot-2/type/abcdid/12345/ev/evnt_1/rtm/json :
msg payload : number
86

node-red-hqmoj-2022-11-17.eu-gb.mybluemix.net/red/#flow/d6fda6b347794e26

Node-RED

Flow 1 Flow 2

common

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

function

- function
- switch
- change
- range

Flow 1

Flow 2

debug

current flow

"lighton"

19/11/2022, 18:30:50 node: d5591a755158270
iot-2/type/efghid/56789/ev/evnt_1/rtm/json :
msg payload : number
43

19/11/2022, 18:30:51 node: d5591a755158270
iot-2/type/efghid/56789/ev/evnt_1/rtm/json :
msg payload : number
81

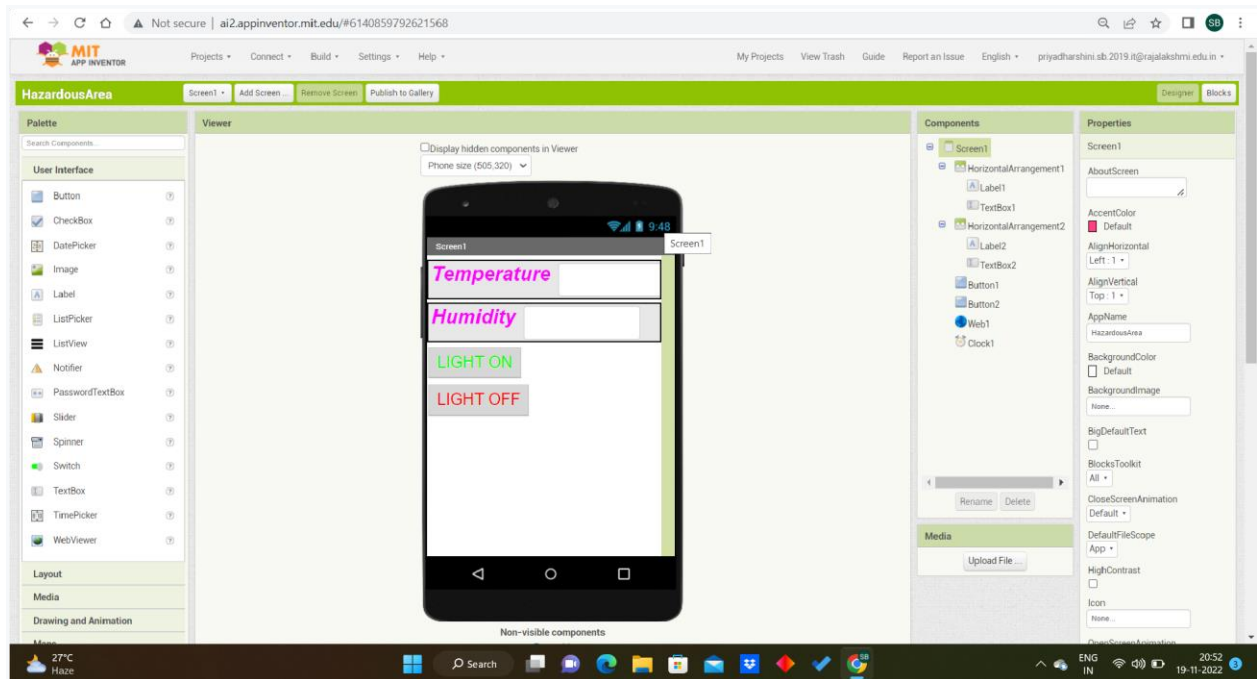
19/11/2022, 18:30:51 node: d5591a755158270
iot-2/type/abcdid/12345/ev/evnt_1/rtm/json :
msg payload : number
27

19/11/2022, 18:30:51 node: d5591a755158270
iot-2/type/abcdid/12345/ev/evnt_1/rtm/json :
msg payload : number
86

19/11/2022, 18:31:16 node: 9f8a0e490ab84a3
msg payload : string[8]
"lightoff"

19/11/2022, 18:31:18 node: 9f8a0e490ab84a3
msg payload : string[8]
"lightoff"

19/11/2022, 18:31:19 node: 9f8a0e490ab84a3
msg payload : string[8]
"lightoff"



APP BLOCKS TO RENDER THE VALUES AND DISPLAY IT IN THE APP

