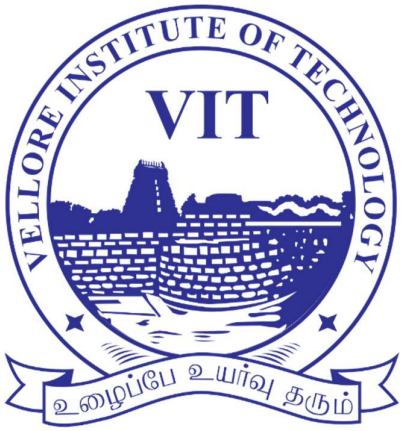

ECE 3502 – IoT Domain Analyst

Experiment 5

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Prof.- Sriramalakshmi

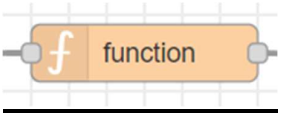
Aim: Create a IOT Based System using mqtt nodes.

Node Required:

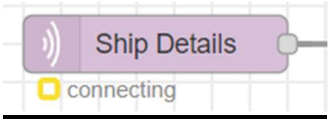
Inject Node

Debug Node

Function Node



Mqtt In Node



Json Node

Procedure:

Step 1) Select Nodes and setup nodes

Step 2) Set properties of the Nodes such as name, message,functions etc and then click Done.

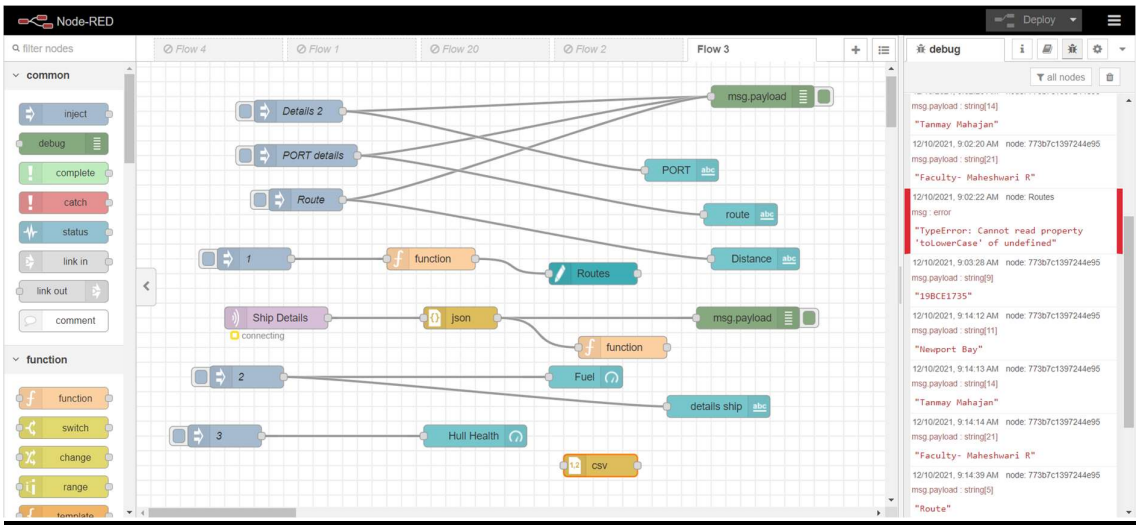
Step 3) Fill requirements of the Node.

Step4) Connect MQTT

Step 5) Click Deploy and Confirm.

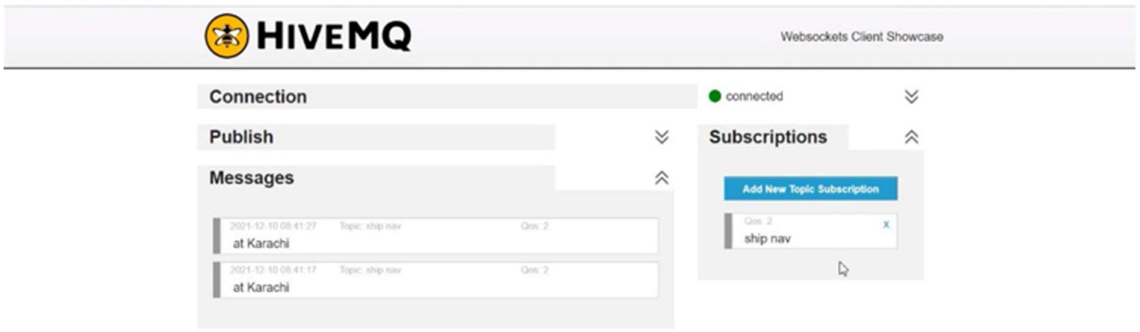
Step 7) The output is visible in the debug menu.

Screenshots of Flow:

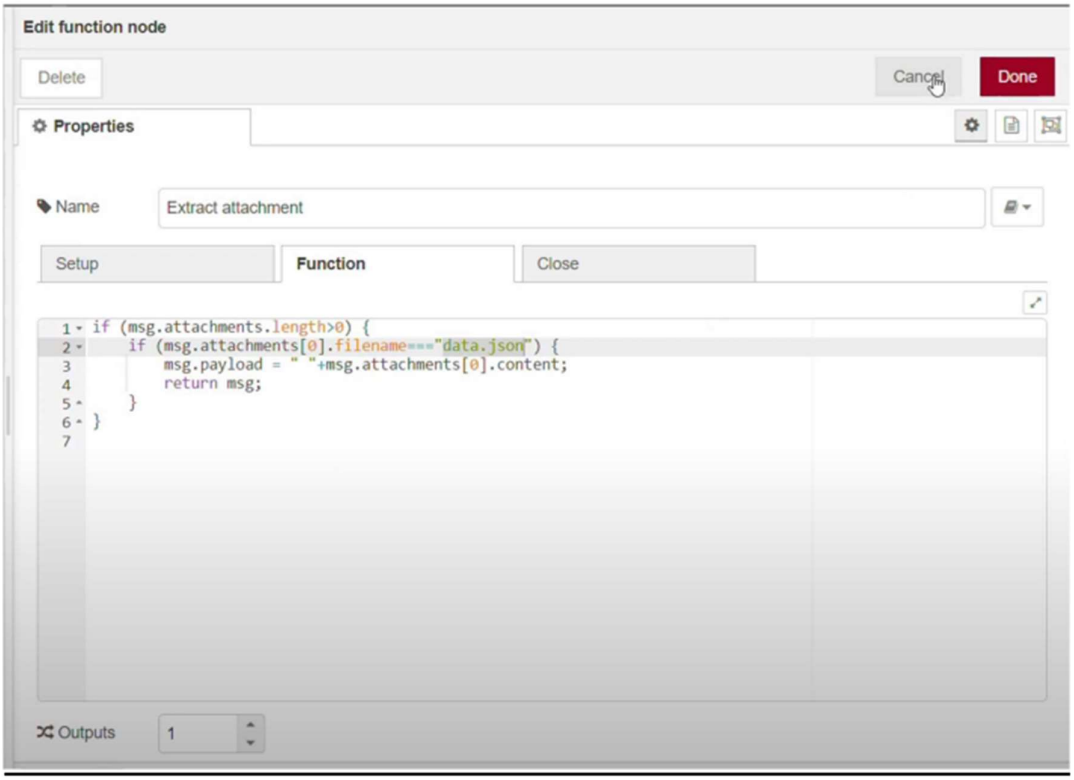


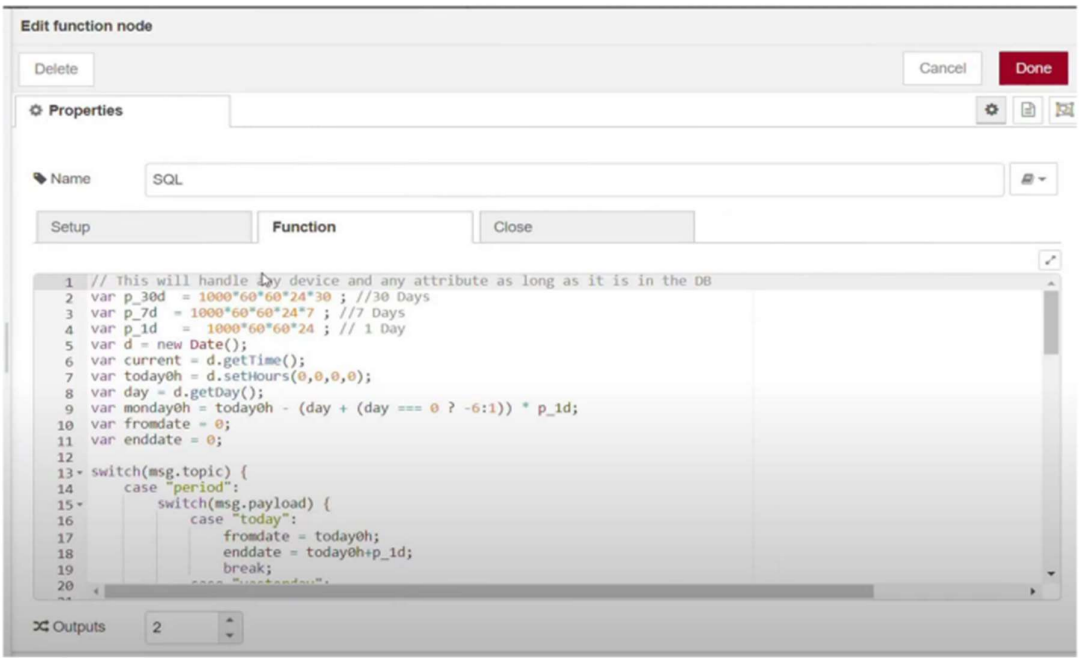
Dashboard:

MQTT:



Node Properties Window:




Edit function node
Delete
Cancel
Done
Properties
Name
SQL
Setup
Function
Close
// This will handle any device and any attribute as long as it is in the DB
var p_30d = 1000*60*60*24*30 ; //30 Days
var p_7d = 1000*60*60*24*7 ; //7 Days
var p_1d = 1000*60*60*24 ; // 1 Day
var d = new Date();
var current = d.getTime();
var today0h = d.setHours(0,0,0,0);
var day = d.getDay();
var monday0h = today0h - (day + (day === 0 ? -6:1)) * p_1d;
var fromdate = 0;
var enddate = 0;
switch(msg.topic) {
case "period":
switch(msg.payload) {
case "today":
fromdate = today0h;
enddate = today0h+p_1d;
break;
Outputs
2