

Project Development Phase SPRINT-3

Date	8 November 2022
Team ID	PNT2022TMID30639
Project Name	Project - IOT Based Safety Gadget for Child Safety Monitoring & Notification

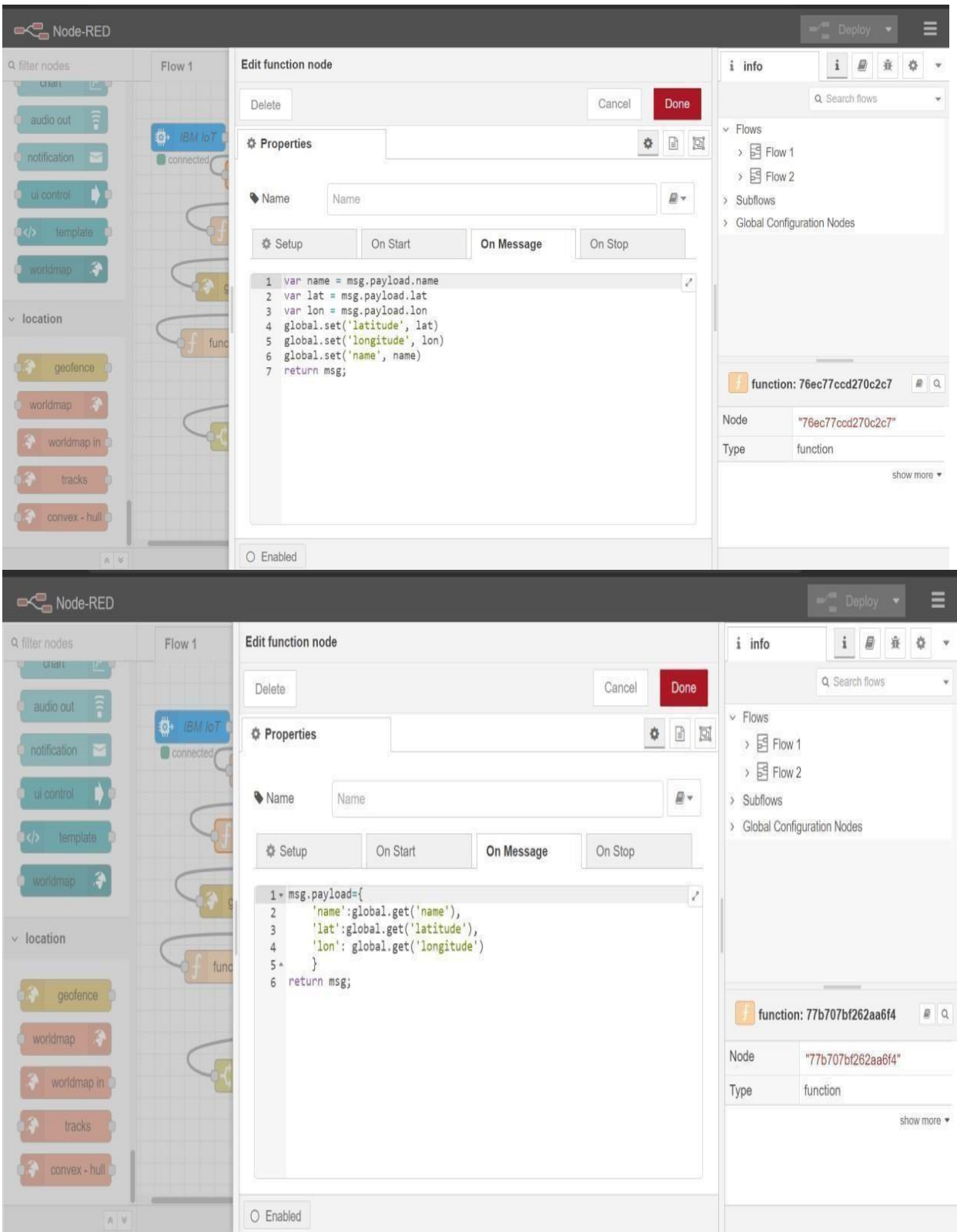
NODE RED-Cloudant DB Communication:

Step 1: Connections

The top screenshot displays the Node-RED interface with a flow diagram for 'Flow 1'. The flow starts with an 'IBM IoT' node, followed by a 'function' node, then 'msg.payload', 'worldmap', 'geofence', another 'function' node, 'rbe', a 'switch' node, three 'function' nodes, and finally 'msg.payload', 'http request', 'show dialogue', 'child', and another 'msg.payload' node. The bottom screenshot shows the 'Edit ibmiot in node' configuration window. The 'Properties' section includes fields for Authentication (API Key), API Key (ChildSafety), Input Type (Device Event), Device Type (ChildSafetyGadget), Device Id, Event (All or +), Format (All or json), and QoS (0). The 'Info' panel on the right shows the node details for 'ibmiot in' with the node ID 'eeec24e22e5c1e35'.

Step 2: Code in nodes

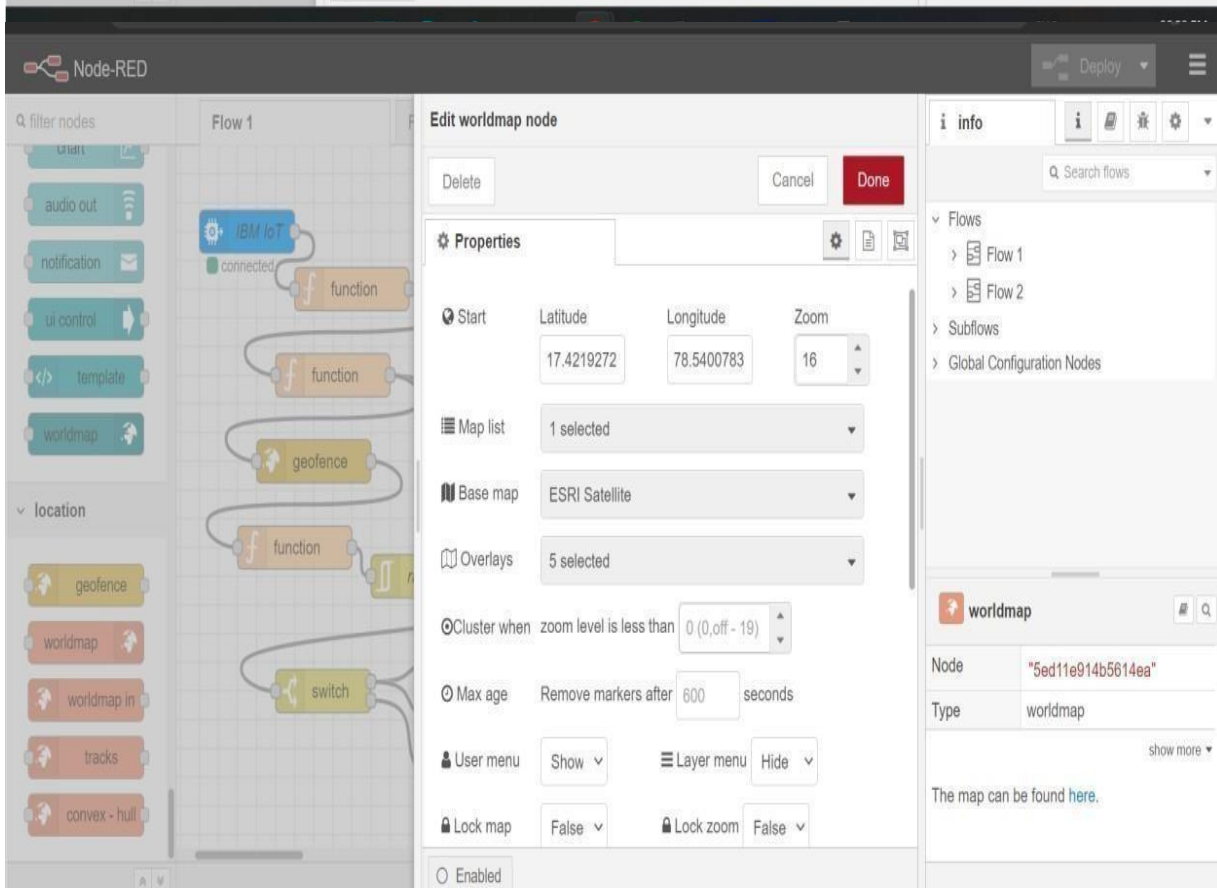
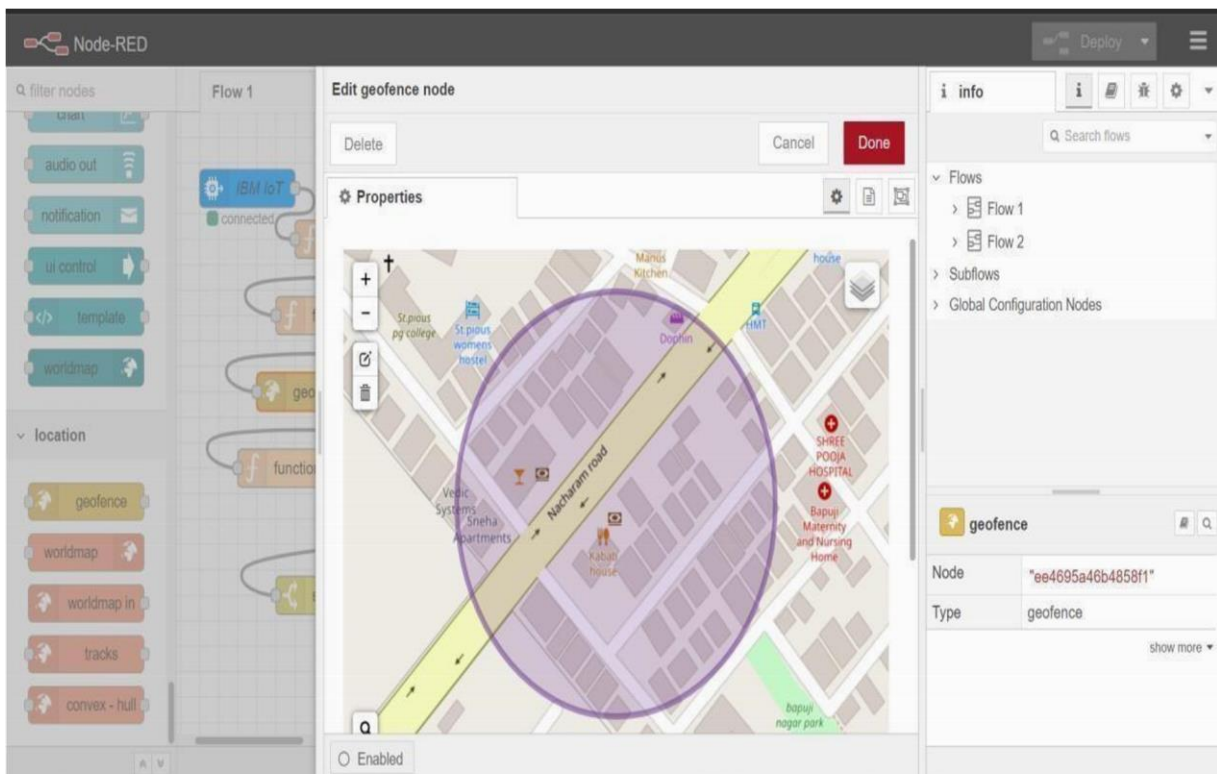
Step 3:Edit function mode(code)



Step 4:

5: Geofencing mode

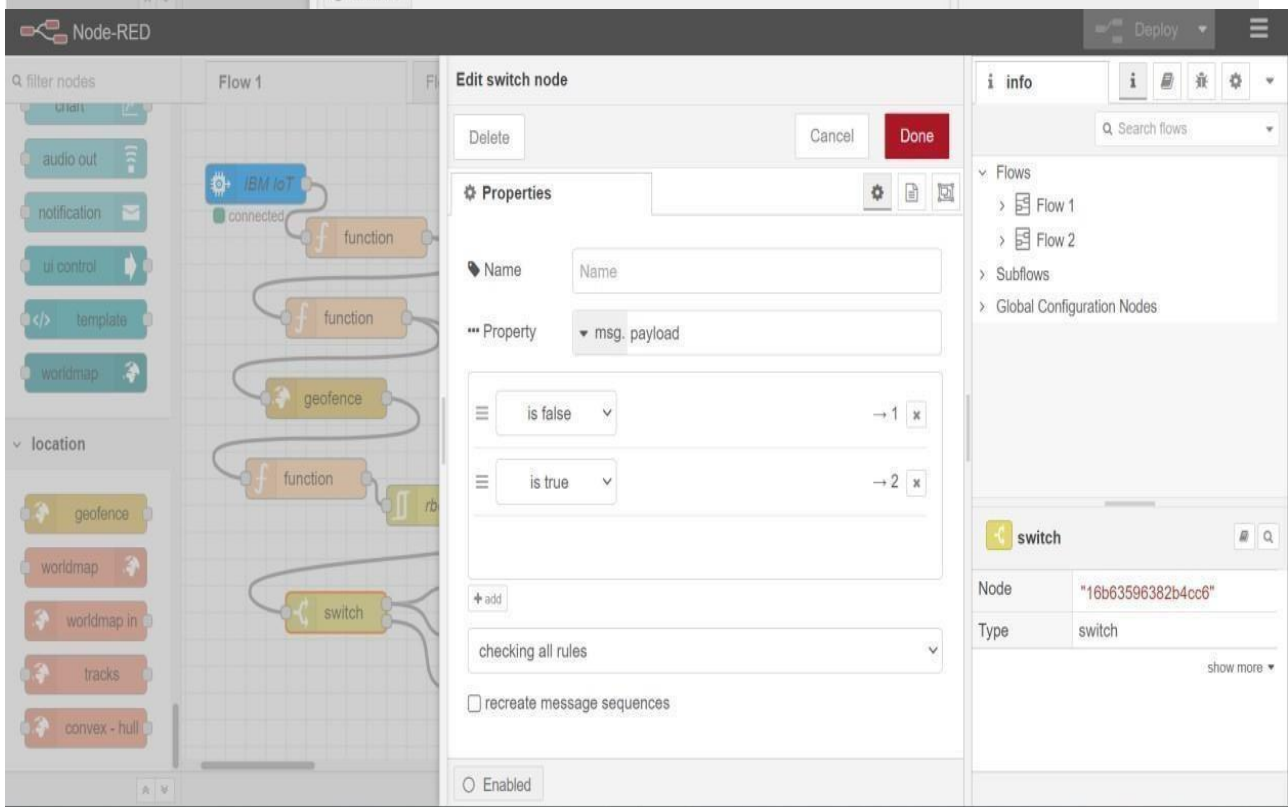
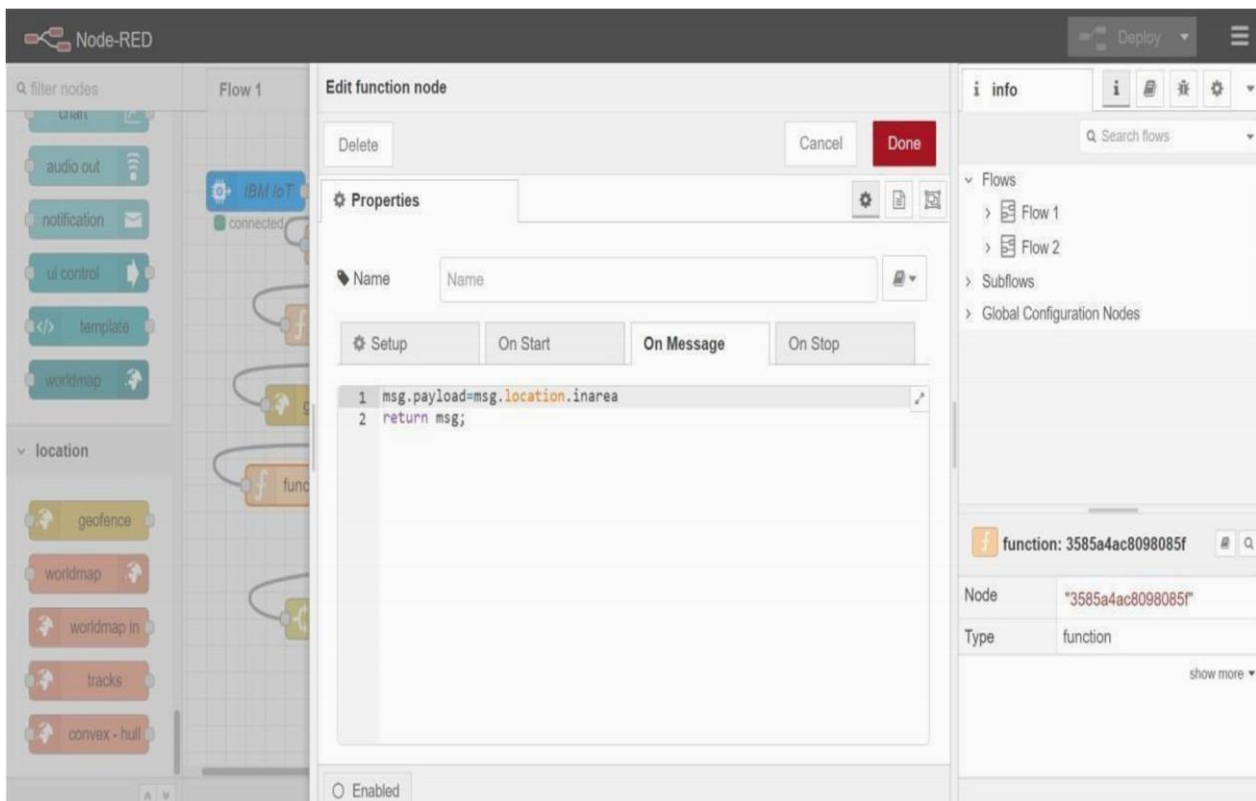
Step



Step 6: Worldmap node with properties

7: Apply the code with different node

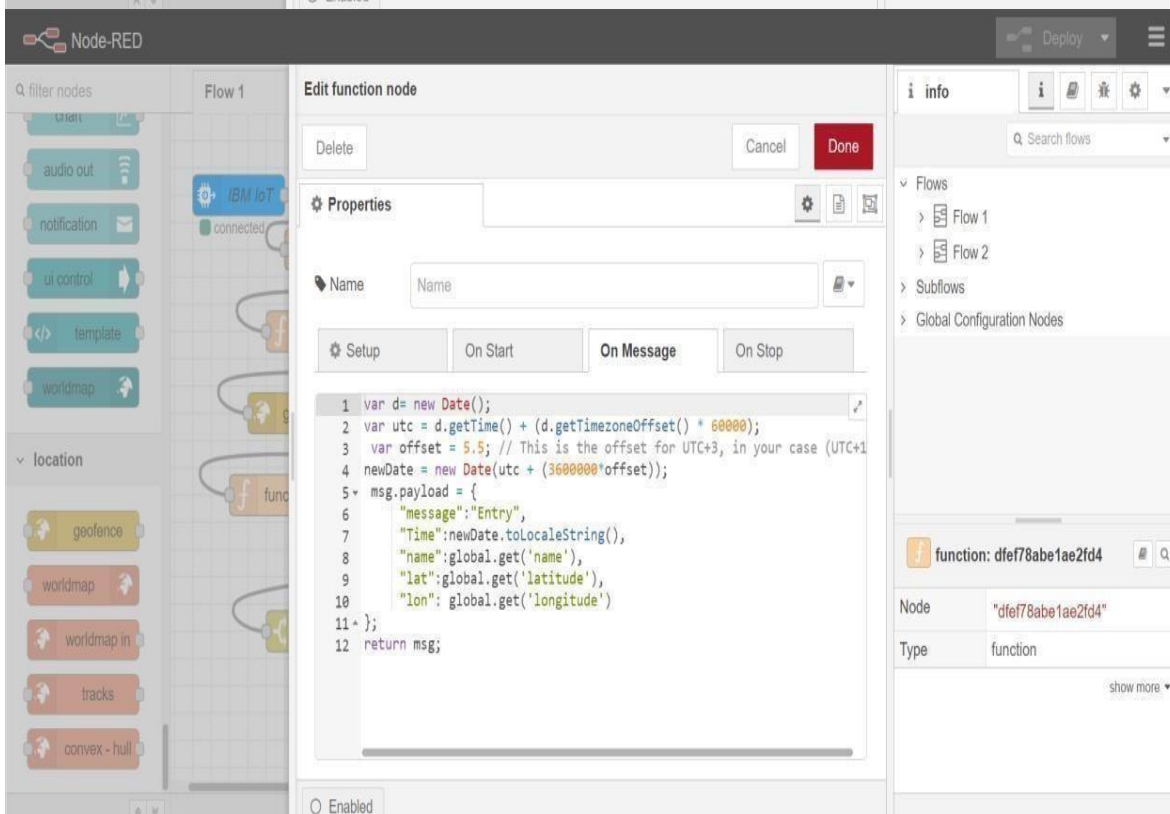
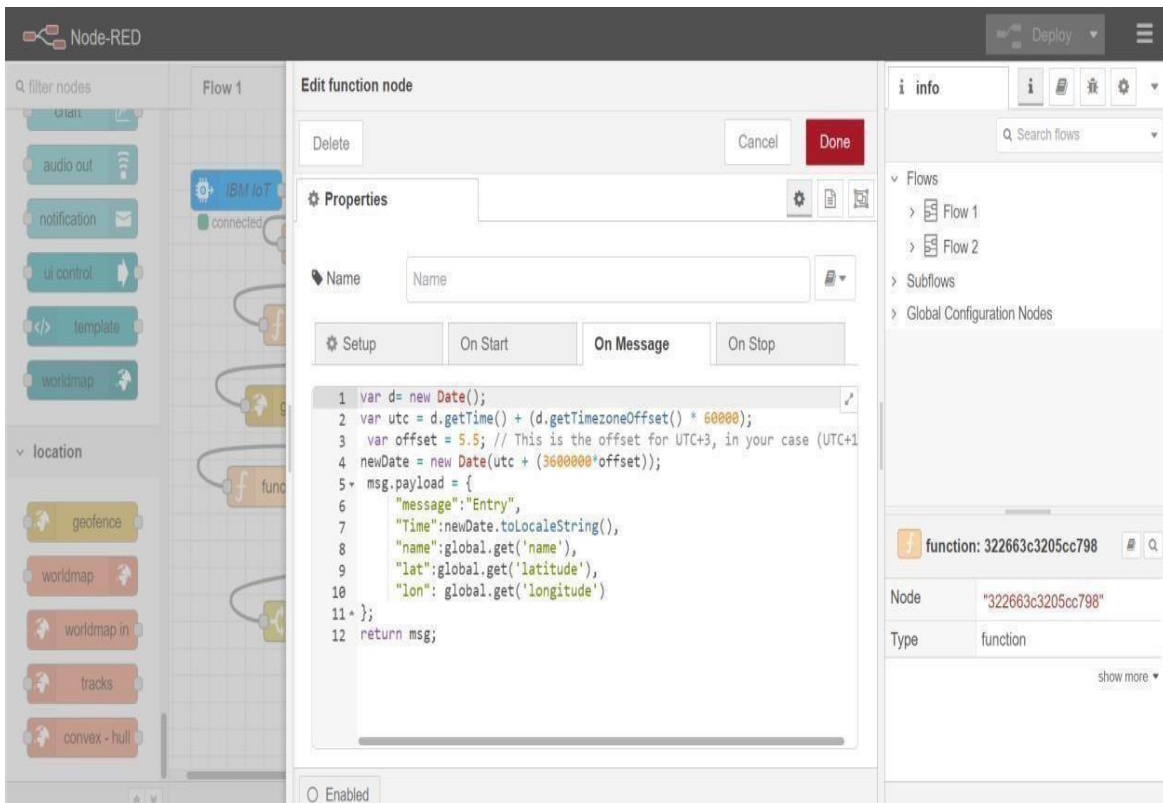
Step



Step 8:Code with different node

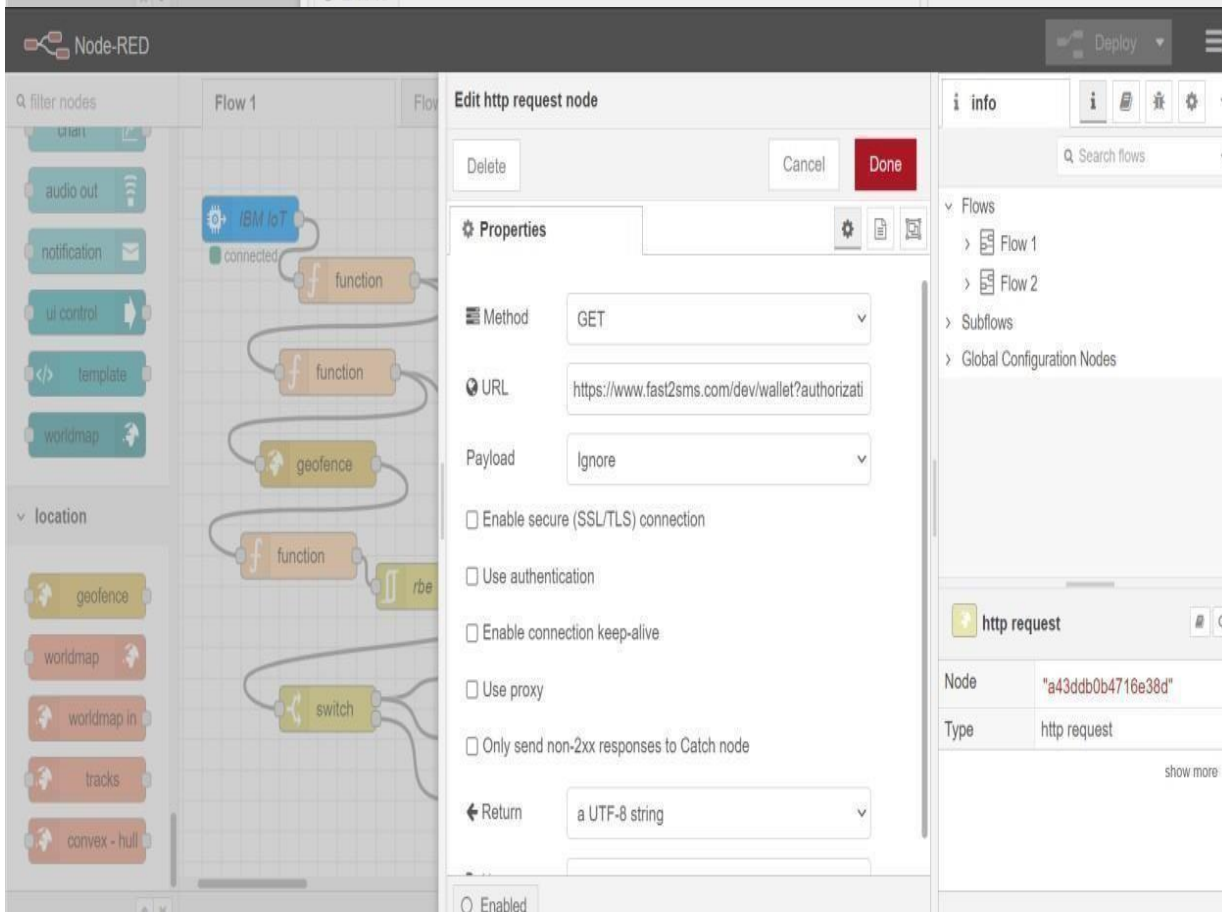
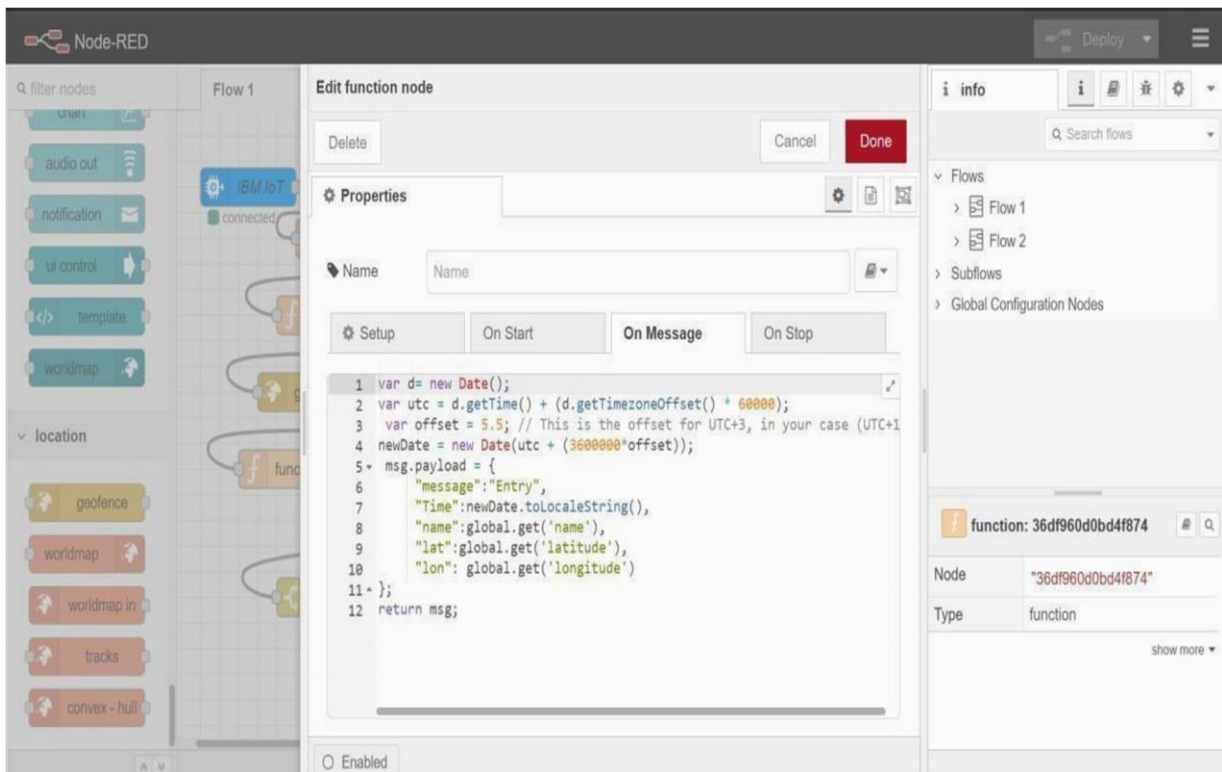
9:Code with different node

Step



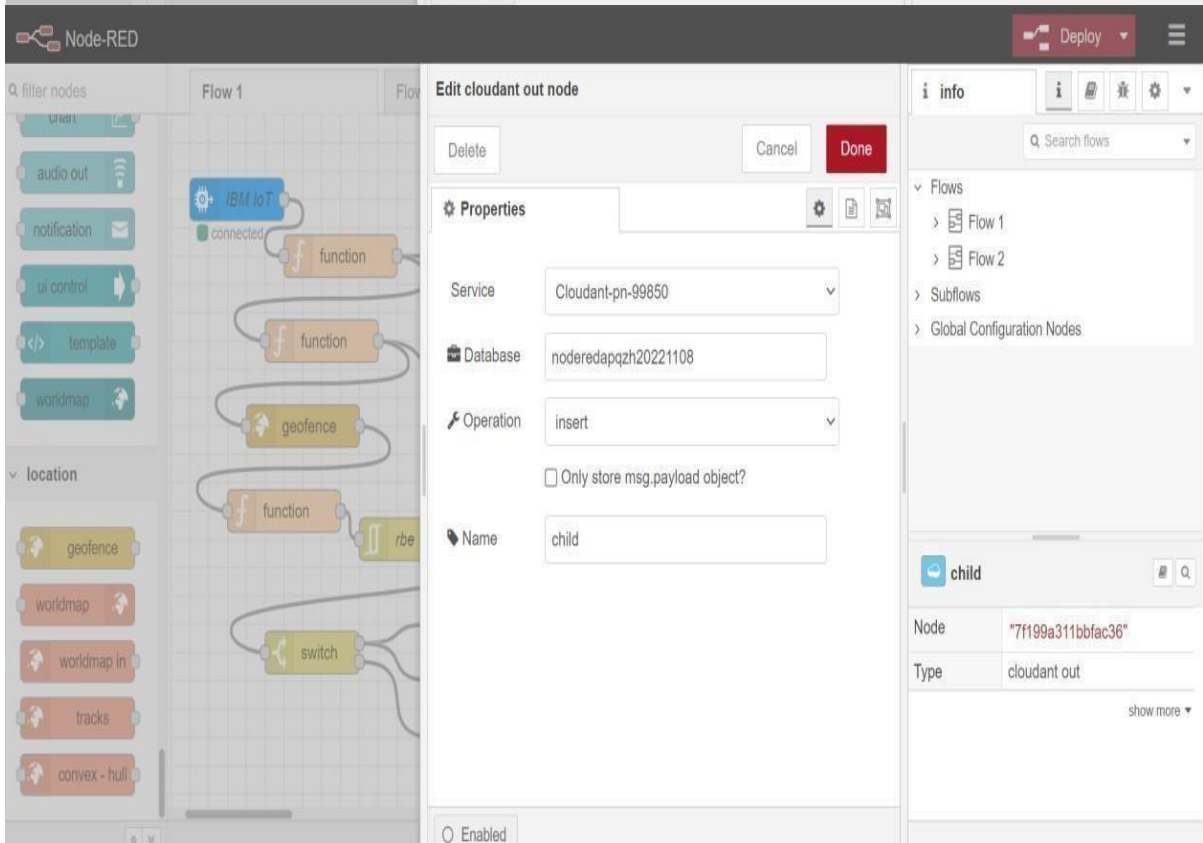
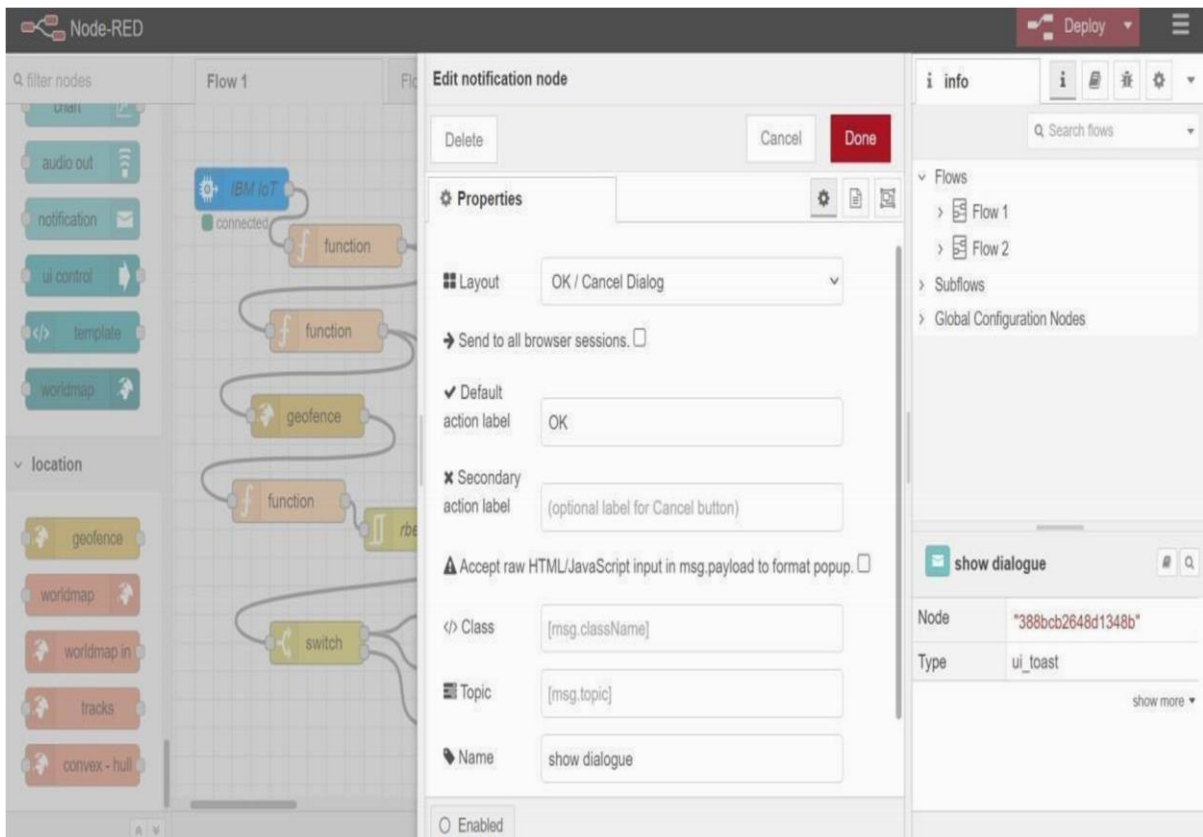
Step 10:code with different node

Step 11:Code with different node



Step 12:Http request node->properties

Step 13:Notification node



Step 14: Cloudant node