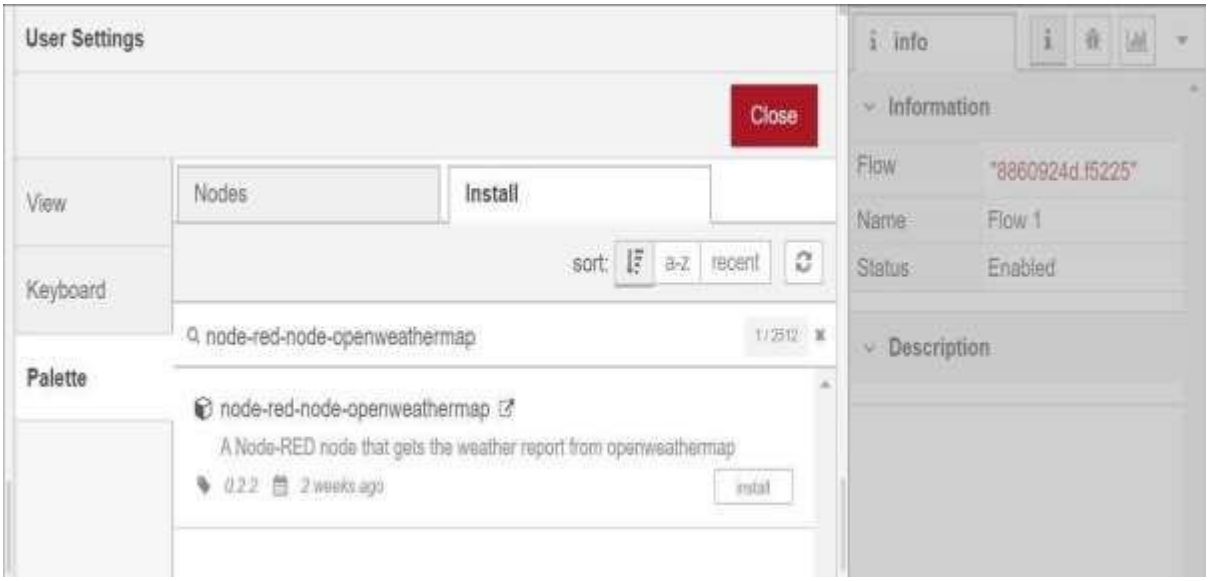
DEVELOP THE WEB APPLICATION USING NODE-RED

DATE	01 November 2022
TEAM ID	PNT2022TMID54363
PROJECT NAME	Real-Time River Water Quality Monitoring and Control System
MARKS	4 Marks

1. Double-click the tab with the flow name, and call it Earthquake Details.

2. Select Manage palette from the hamburger menu. Look for node-red- node-open weather map to add these nodes to your palette.



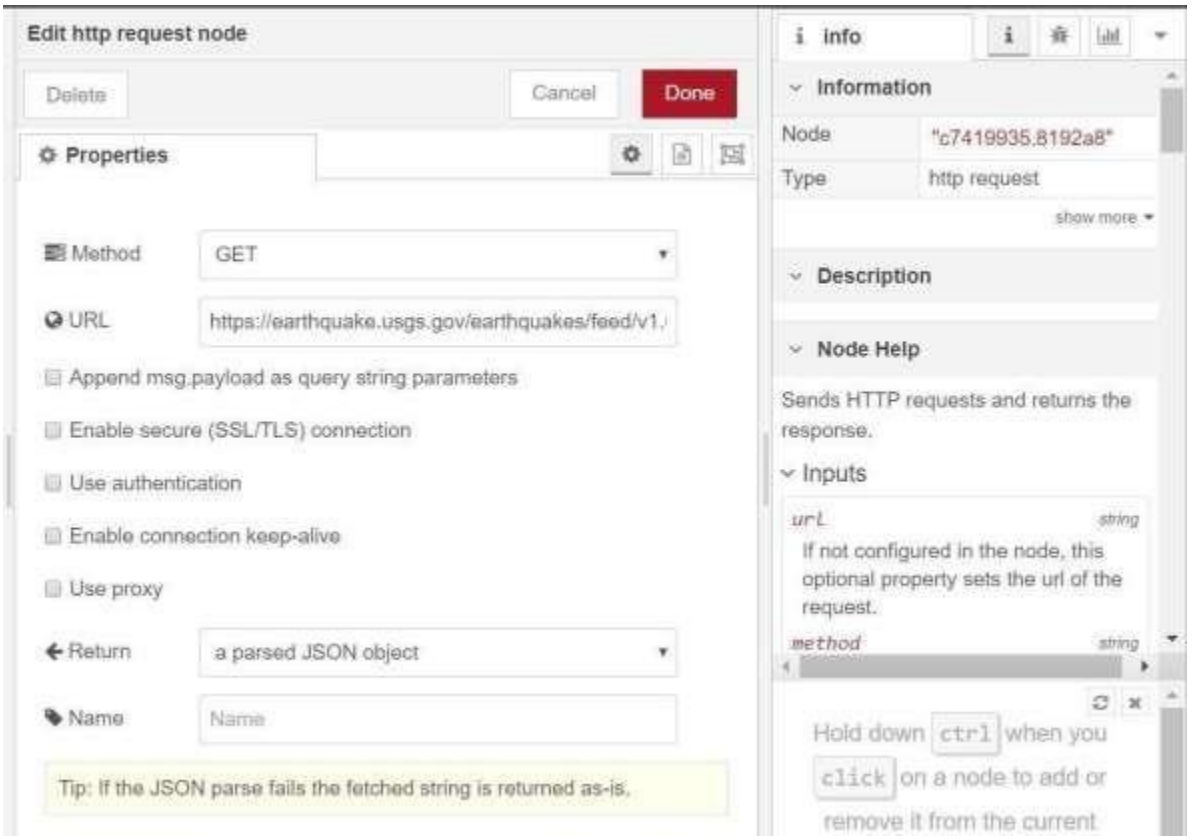
Add an HTTP input node to your flow.

Double-click the node to edit it. Set the method to GET and set the URL to /earthquakeinfo-hr.

1. Add an **HTTP response** node, and connect it to the previously added **HTTP input** node. All other nodes introduced in this sub-section is to be added between the HTTP input node and the HTTP response node.

2. Add an HTTP request node and set the URL to

https://earthquake.usgs.gov/earthquakes/feed/v1.0/summary /all_hour.geojson, the Method to GET and the Return to a parsed JSON object. This will allow extracting all earthquakes that occurred within the last hour. Name this node Get.



Create a change node. To edit a node, double-click it. Give this node a name. Set Earthquake Information. Add a rule to Delete msg.topic, es msg.headers, msg.statusCode, msg.responseUrl, and msg.redirectList in the Rules section.

"type":properties.type,
"magnitude":
properties.mag, "location":
properties.place,
"longitude":geometry.coordinates[0],
"latitude":geometry.coordinates[1],
"depth":geometry.coordinates[2],
"timestamp": $fromMillis(
properties.time