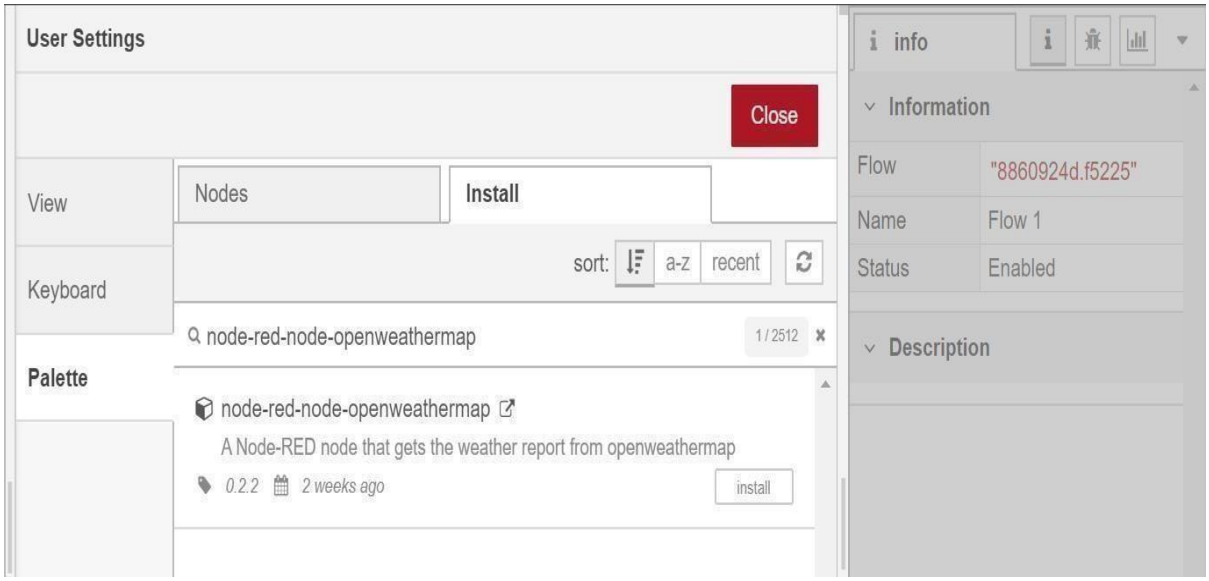
DEVELOP A WEB APPLICATION USING NODE-RED

Date	01 November 2022
Team ID	PNT2022TMID42508
Project Name	Project – IOT Based Real – time River Water Quality Monitoring and Control System
Maximum Marks	4 Marks

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

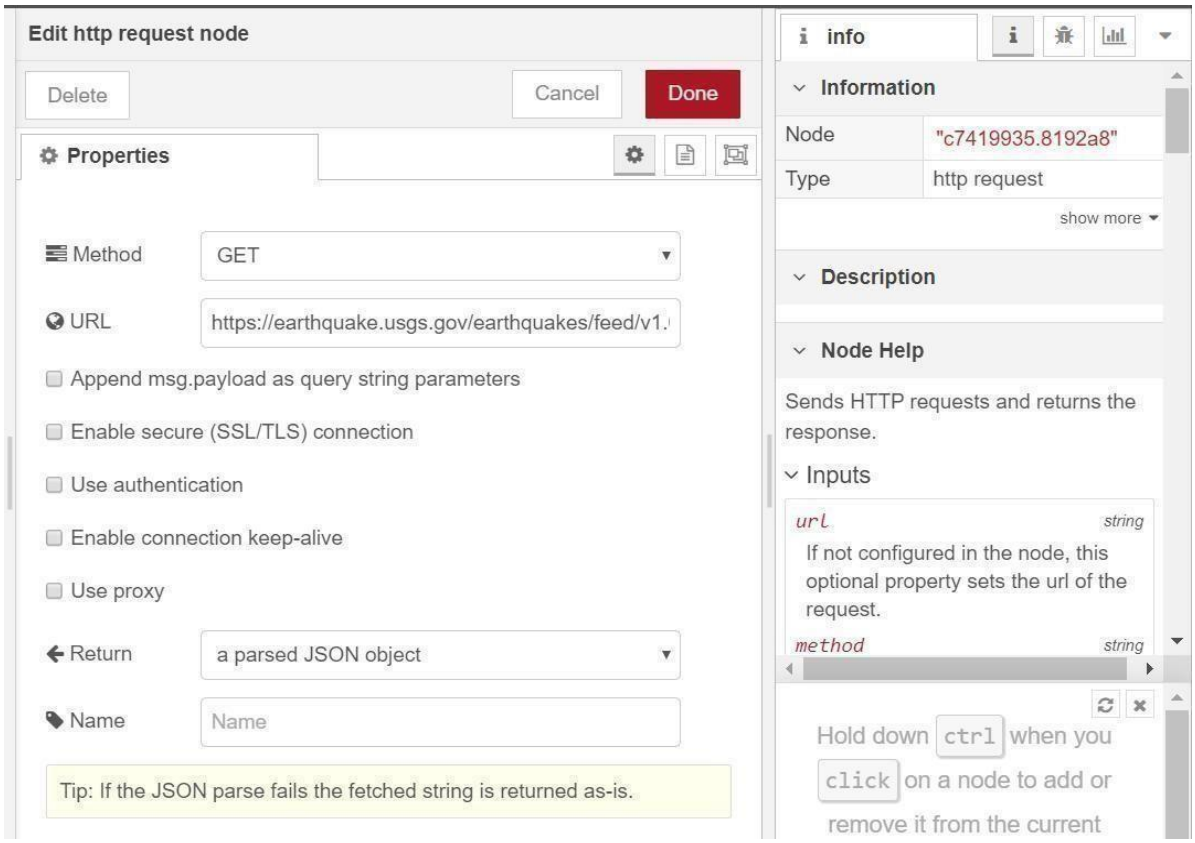
2. Click the hamburger menu, and then click **Manage palette**. Look for **node-red-node- open weather map** to install these additional nodes in your palette.



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 setthe *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



Add a **change** node. Double-click the node to modify it. Name this node Set Earthquake Info. In the **Rules** section, add rules to *Delete* msg.topic, msg.headers, msg.statusCode, msg.responseUrland msg.redirectList and *Set* msg.payload payload.features.

```
{
    "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,
```