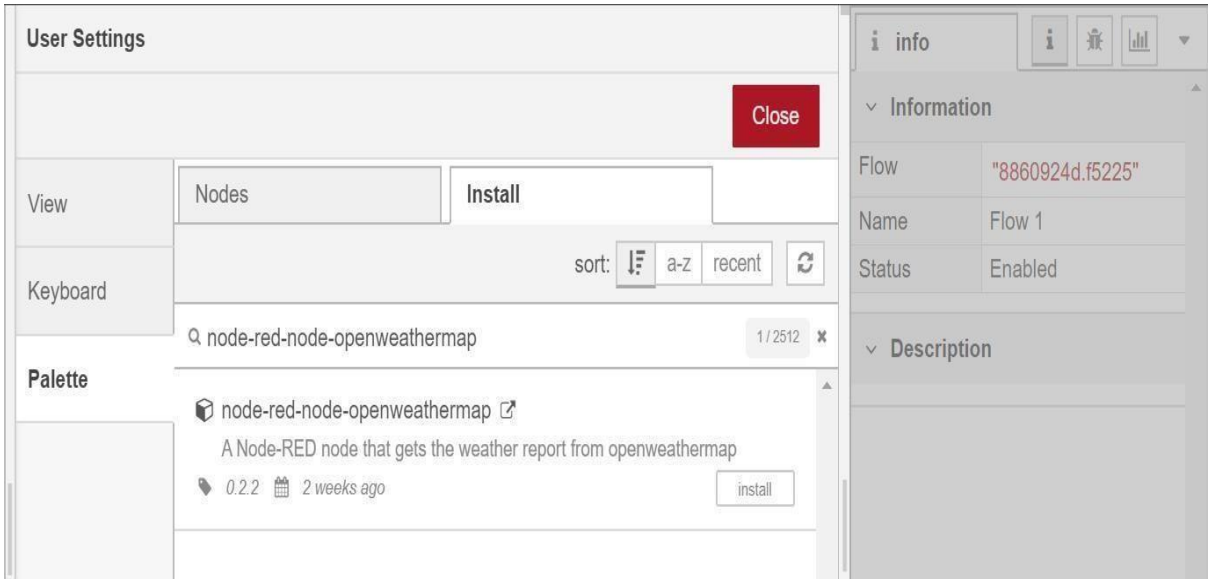
DEVELOP A WEB APPLICATION USING NODE-RE

Date	01 November 2022
Team ID	PNT2022TMID17286
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.

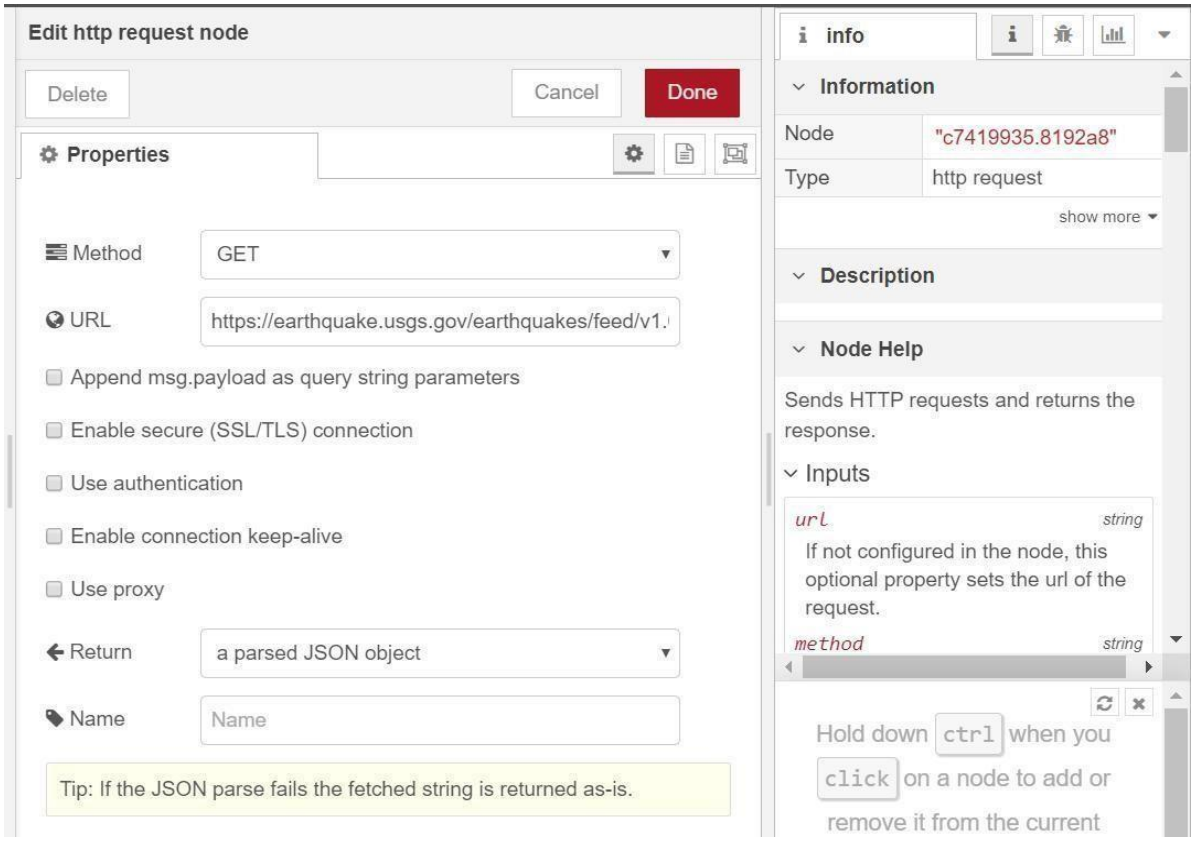
2. Click the hamburger menu, and then click **Manage palette**. Look for **node-red-node- open weather map** to install these additional nodes in your palette.



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 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`



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