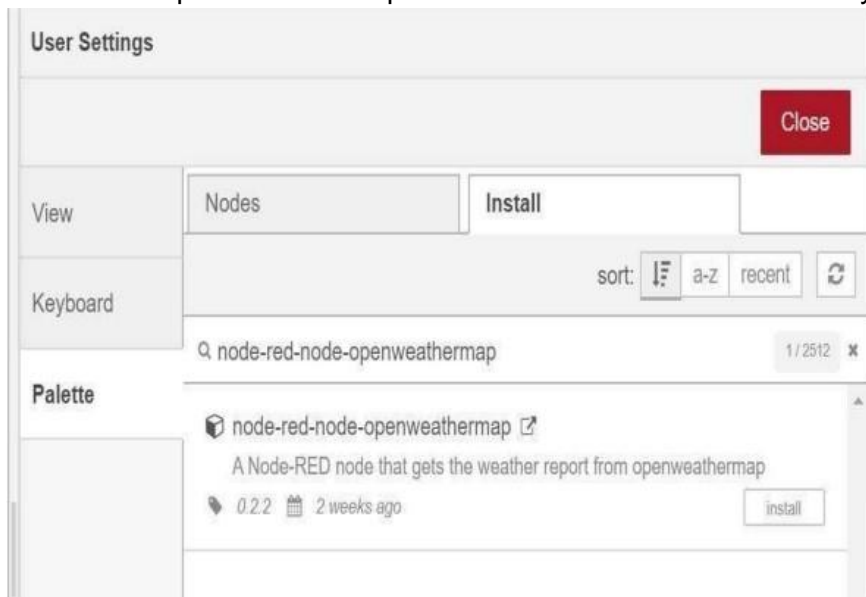


DEVELOPE A WEB APPLICATION USING NODE RED

Date	18 November 2022
Team ID	PNT2022TMID16894
Project name	Project-Real Time River Water Quality Monitoring And Control System
Maximum Marks	4 Mks

DEVELOPE A WEB APPLICATION USING NODE RED:

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-openweathermap 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 / earthquake info-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.

Dialog box titled "Edit http request node" with buttons "Delete", "Cancel", and "Done".

Properties

Method: GET

URL: http://api.openweathermap.org/data/2.5/forecast?id=5249

☐ Append msg.payload as query string parameters

☐ Enable secure (SSL/TLS) connection

☐ Use authentication

☐ Enable connection keep-alive

☐ Use proxy

Return: a parsed JSON object

Name: Name

Tip: If the JSON parse fails the fetched string is returned as-is.

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. Status-code, and msg. response Url and msg.redirectList t and Set msg. 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)
}
```