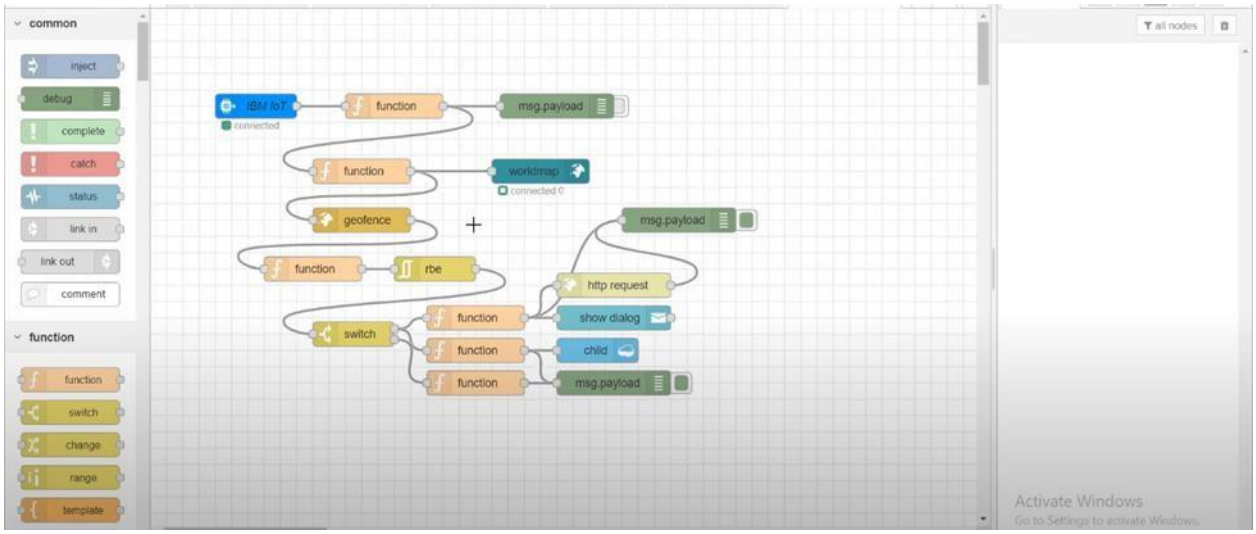
DEVELOP THE WEB-APPLICATION USING NODE RED

DATE	08 NOVEMBER 2022
TEAM ID	PNT2022TMID49507
PROJECT NAME	PROJECT-IOT BASED SAFETY GADGETS FOR CHILD SAFETY MONITORING AND NOTIFICATION

NODE-RED:

Step 1: Connect the blocks

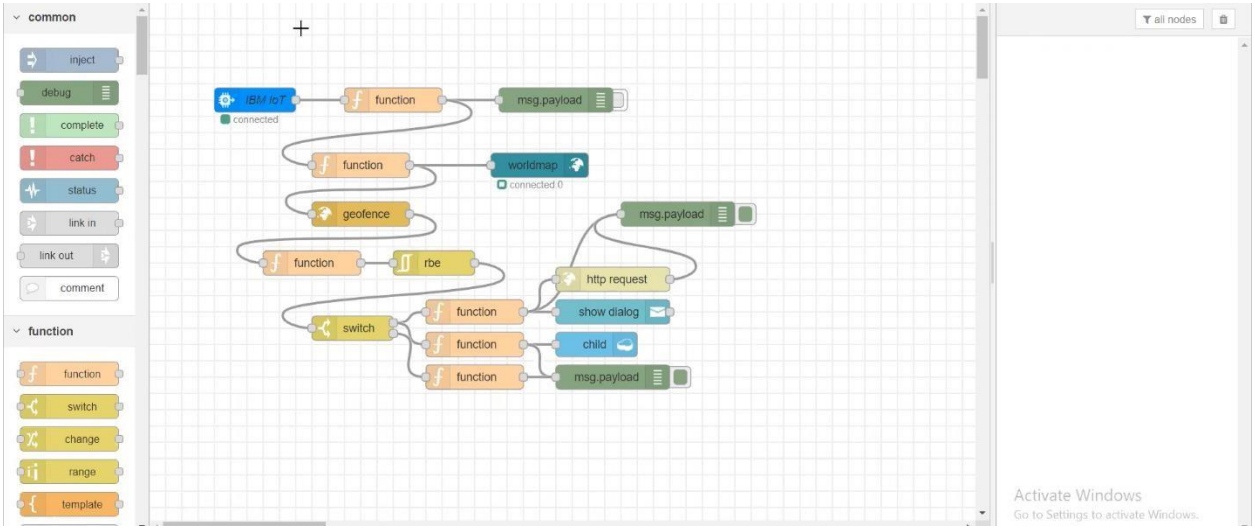


Step 2:Create python code

```
import json
import wiotp.sdk.device
import time

myConfig = {
    "identity": {
        "orgId": "hj5fmy",
        "typeId": "NodeMCU",
        "deviceId": "12345"
    },
    "auth": {
        "token": "12345678"
    }
}
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()

while True:
        name= "Smartbridge"
        #in area location

        latitude= 17.4225176
        longitude= 78.5458842

        #out area location

        #latitude= 17.4219272
        #longitude= 78.5488703
        myData={'name': name, 'lat':latitude,'lon':longitude}
        client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None)
        print("Data published to IBM IoT platfrom: ",myData)
        time.sleep(5)

client.disconnect()
```

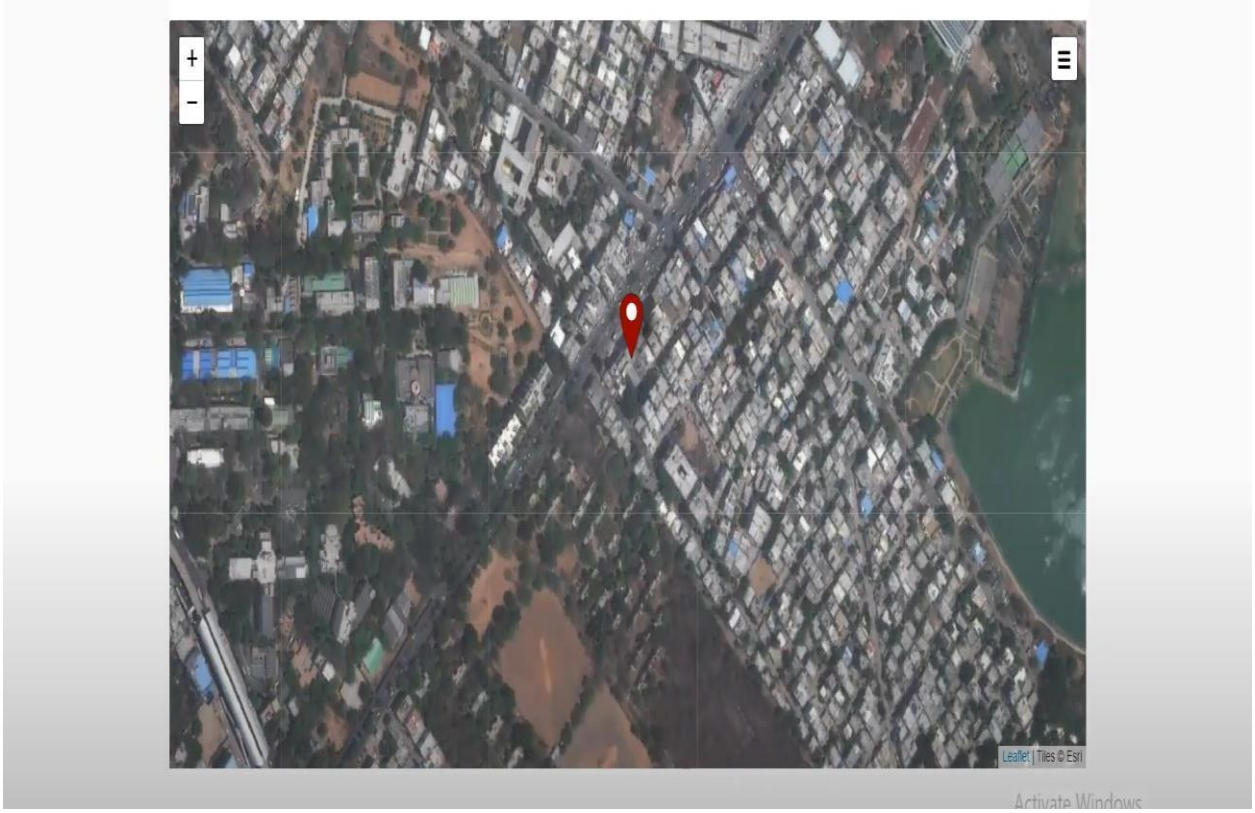
Activate Windows
Go to Settings to activate Windows.

Step 3:Click the geofence node

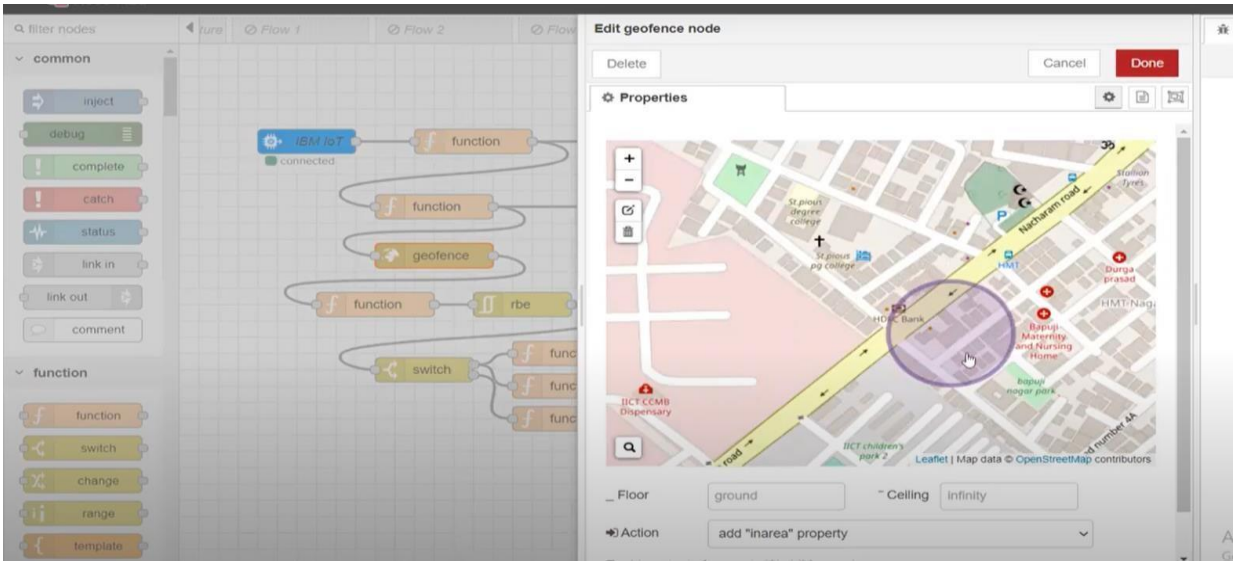


Activate Windows
Go to Settings to activate Windows.

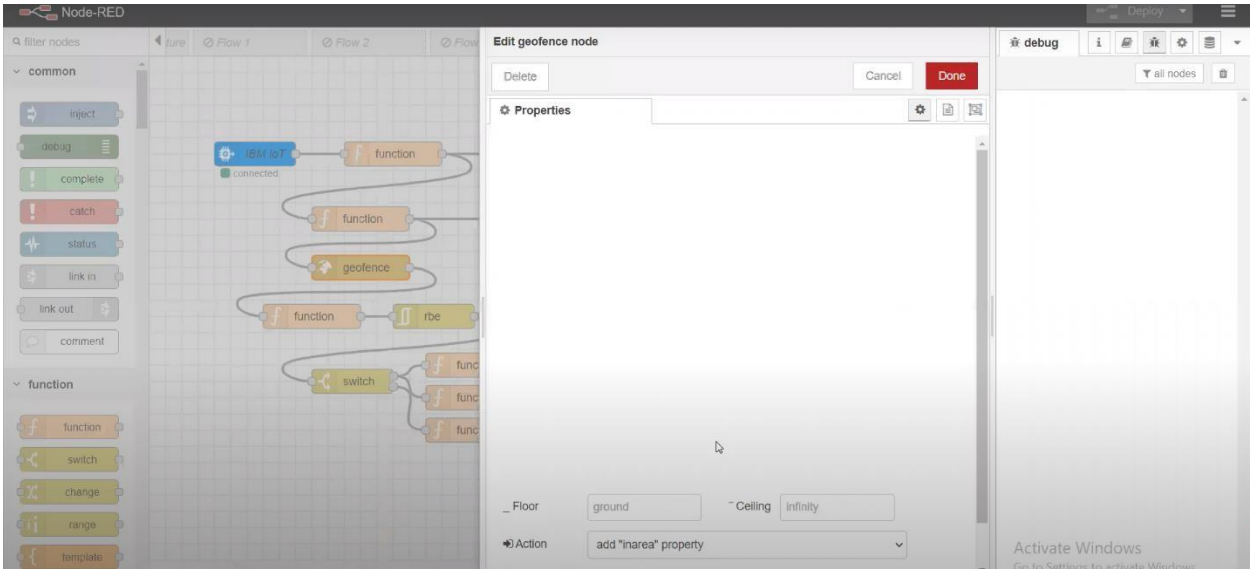
Step 4:Create the geofence area in the map



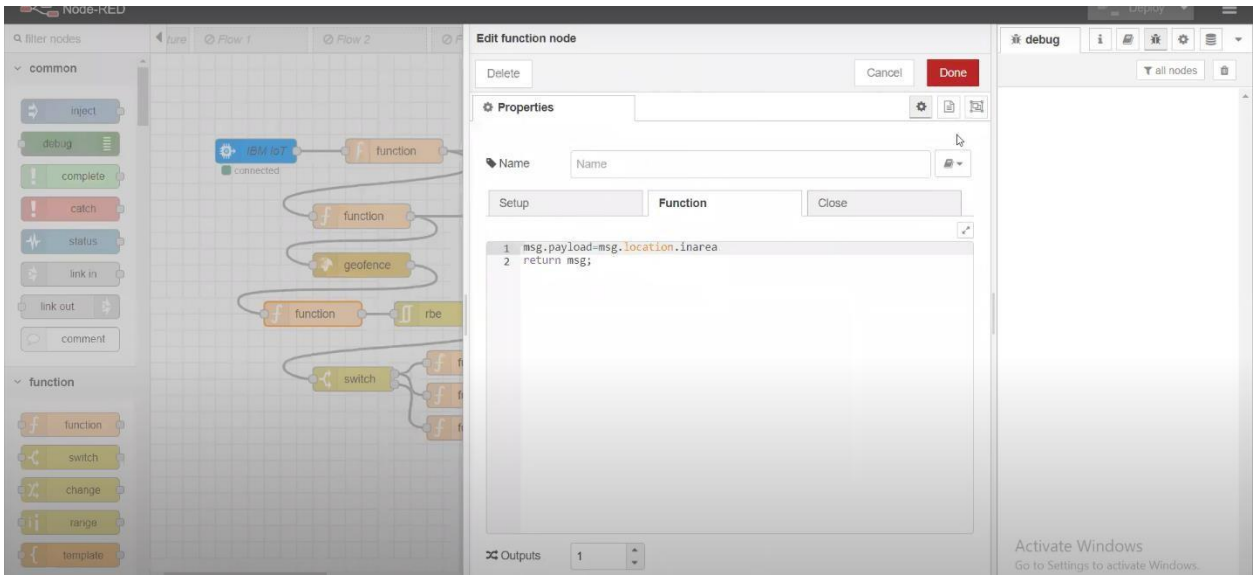
Step 5:Create geofence in a particular area



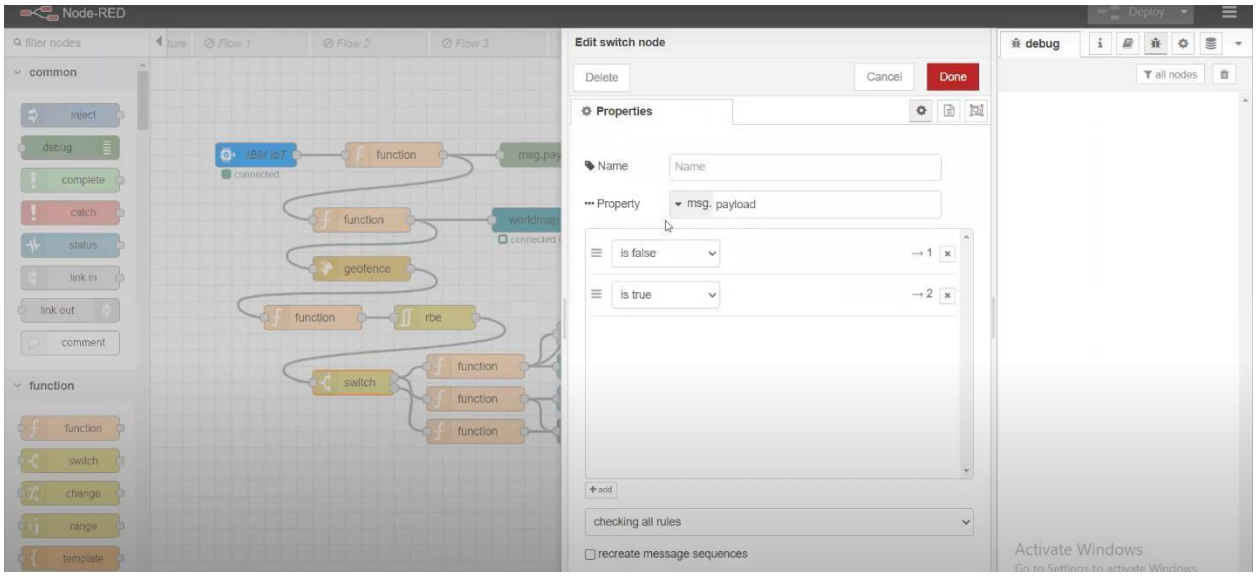
Step 6: Select the function block



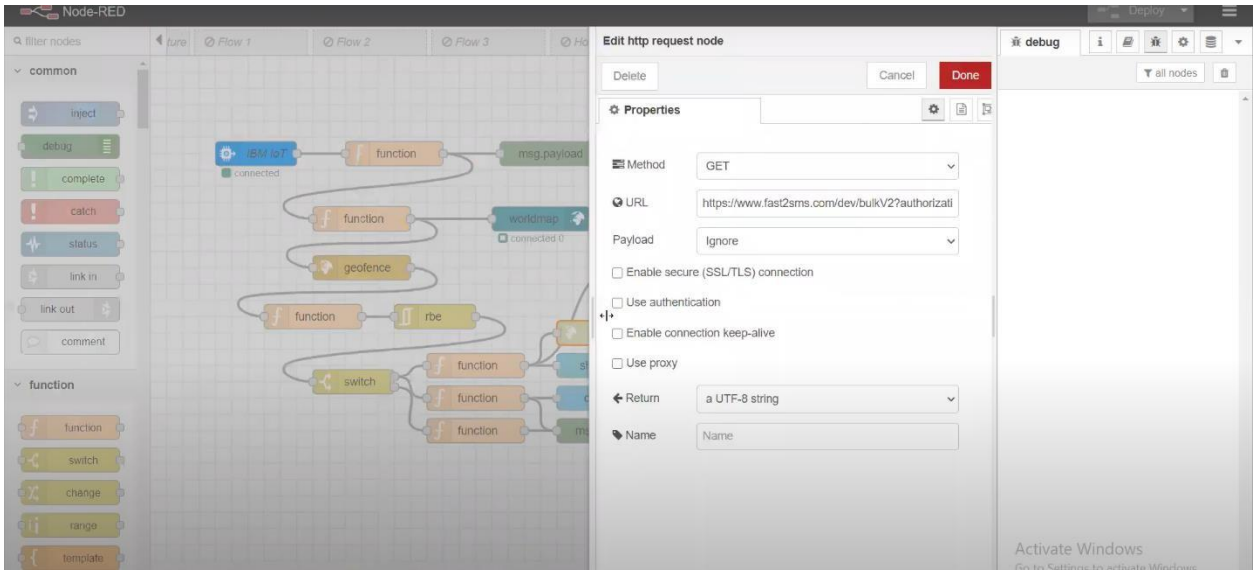
Step 7:Select the msg payload



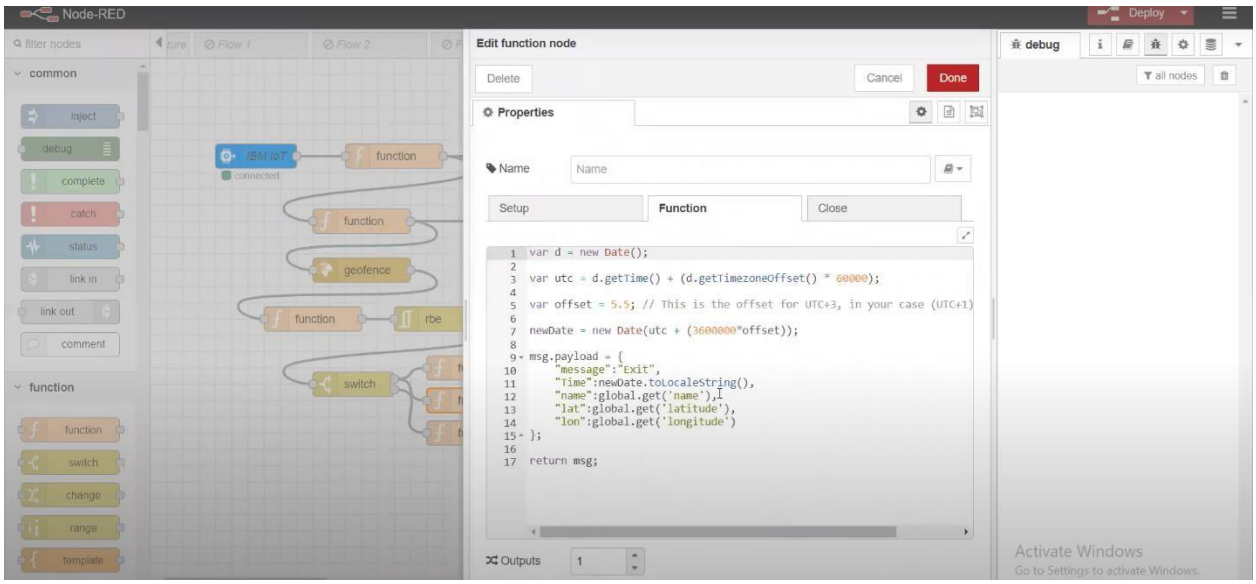
Step 8: To identify the person in area



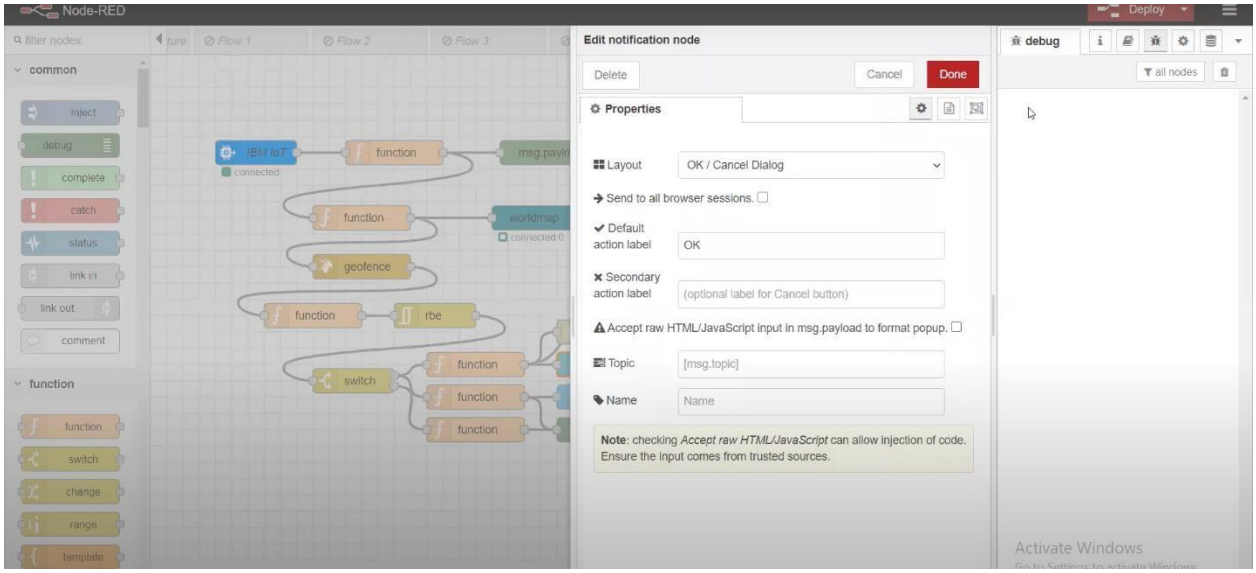
Step 9:Select the http request to send msg to parent or gaurdian



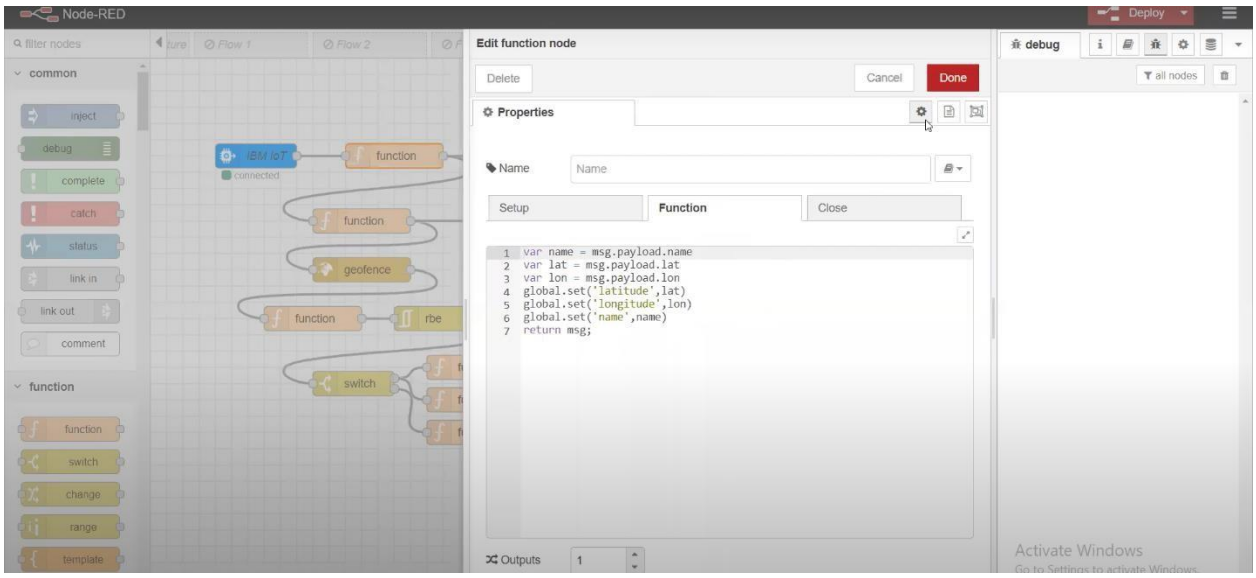
Step 10:For sending the msg with time



Step 10: Click show dialog for notifying the popup alert



Step 11: Create another payload and to pass the data to geofence and worldmap



Step 12:Click the worldmap to see the location