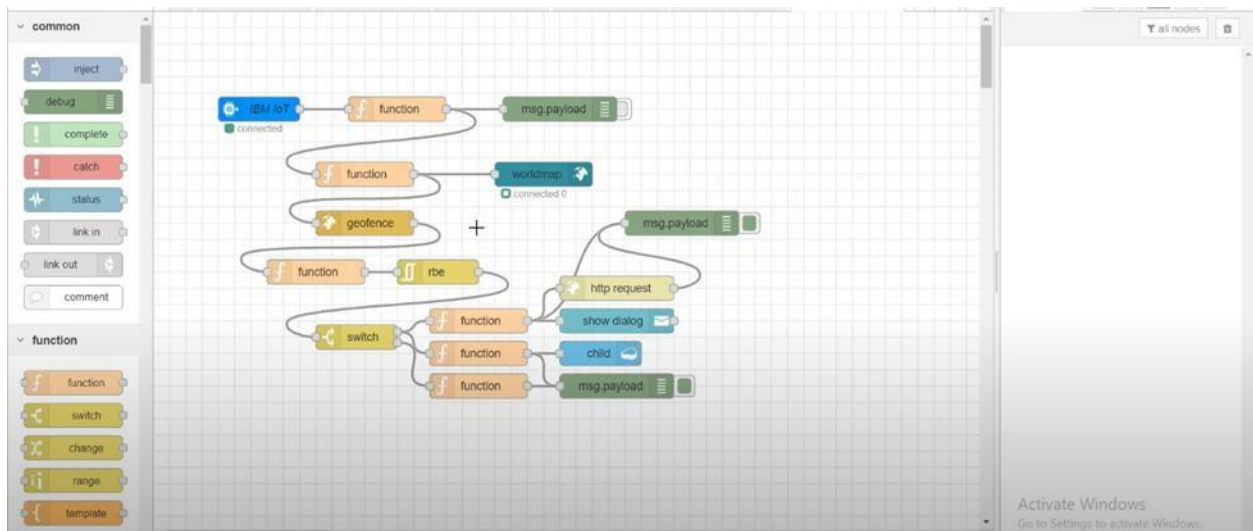


PREREQUISITES

NODE RED SERVICE

Date	18 September 2022
Team ID	PNT2022TMID51935
Project Name	SMART WASTE MANAGEMENT FOR METROPOLITAN CITIES-IOT

Step 1: Connect the blocks.



Step 2: Create python code.

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

myConfig = {
    "identity": {
        "orgid": "h35fmy",
        "typeId": "NodeMCU",
        "deviceId": "12345"
    },
    "auth": {
        "token": "12345678"
    }
}

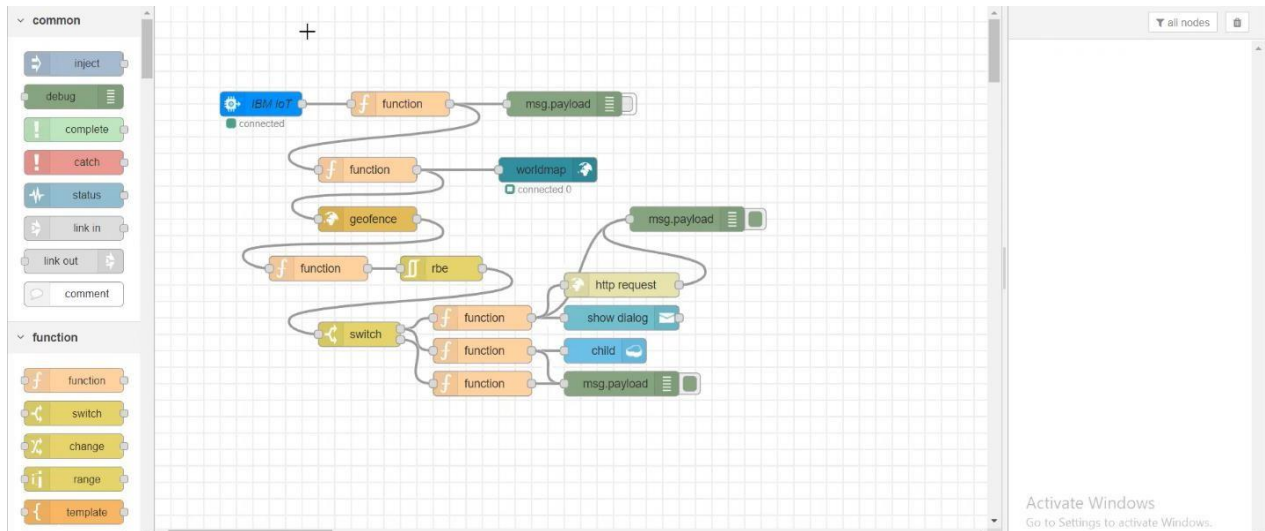
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()

while True:
    name= "Smartbridge"
    #in area location
    latitude= 17.4225176
    longitude= 78.5458842

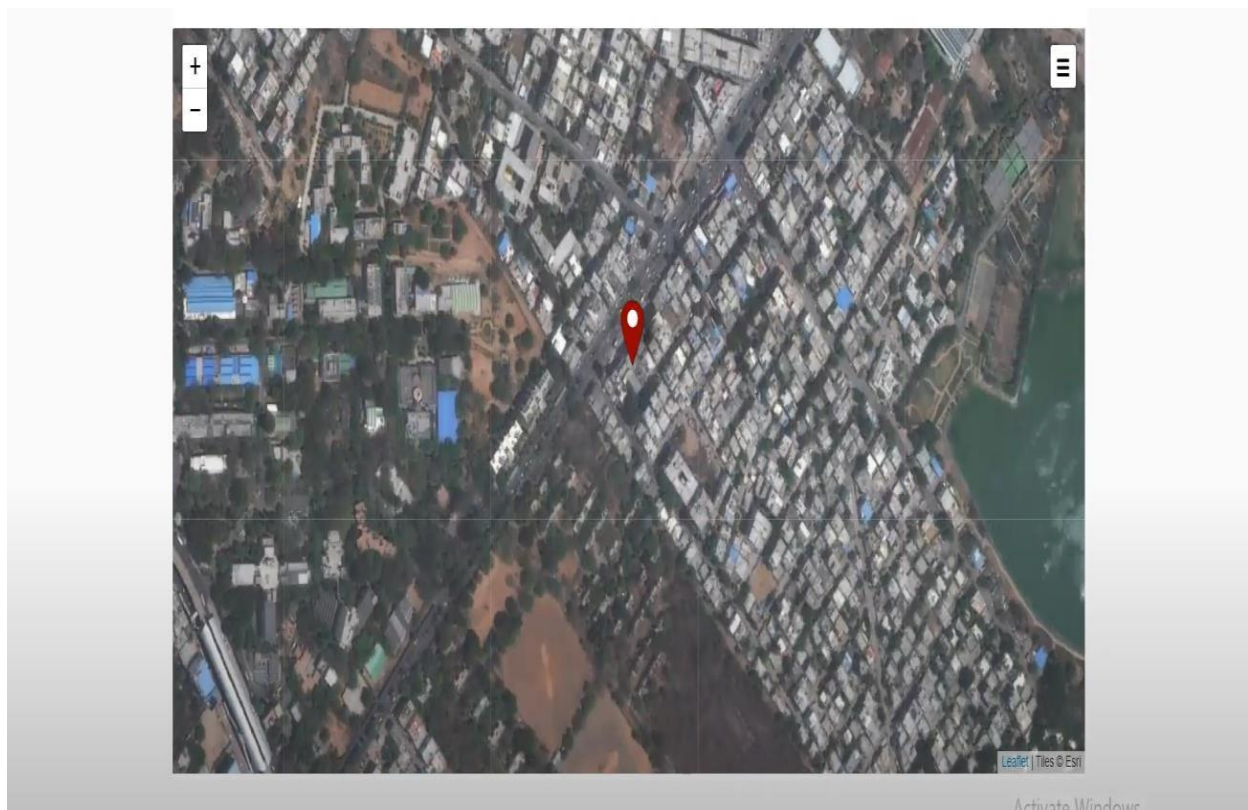
    #out area location
    #latitude= 17.4219272
    #longitude= 78.5488783
    myData={'name': name, 'lat':latitude, 'lon':longitude}
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None)
    print("Data published to IBM IoT platform: ",myData)
    time.sleep(5)

client.disconnect() I
```

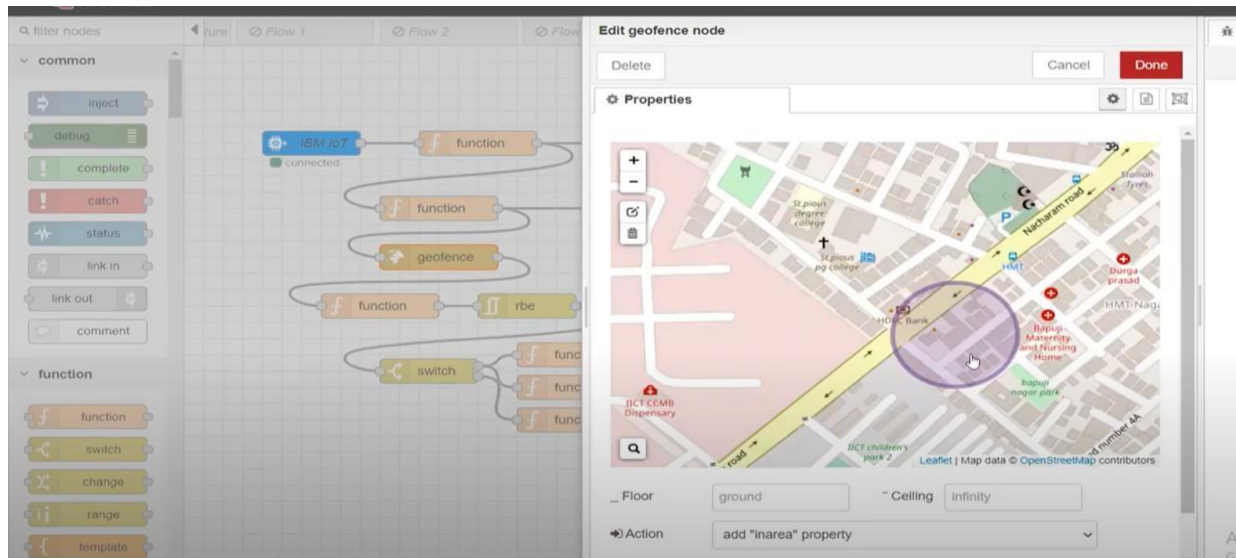
Step 3: Click the geo-fence node.



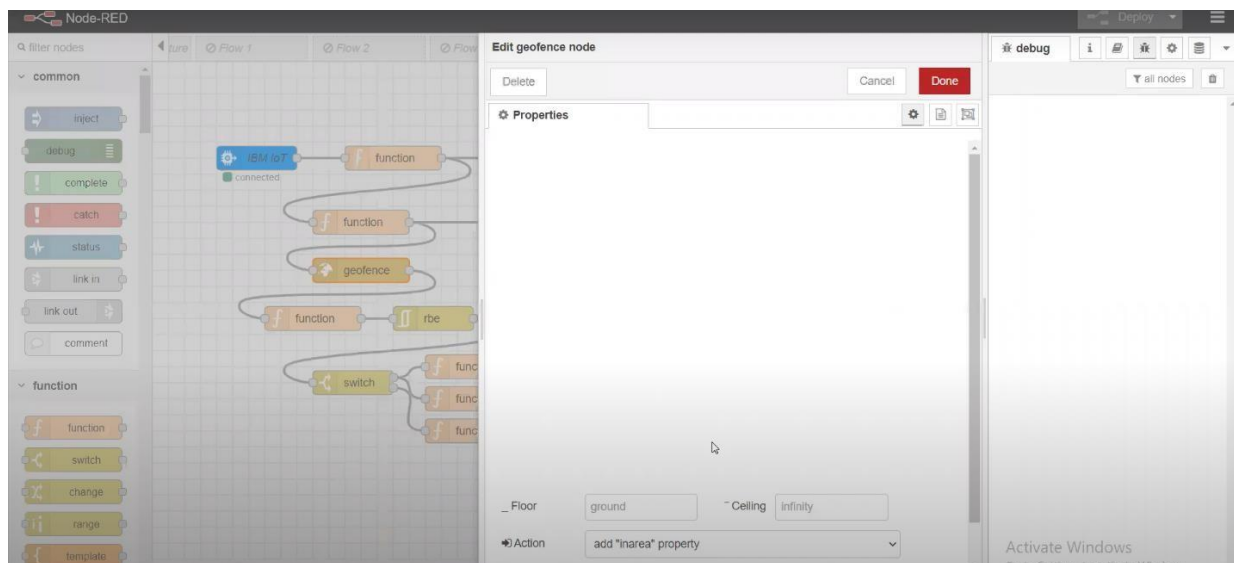
Step 4: Create the geo-fence area in the map.



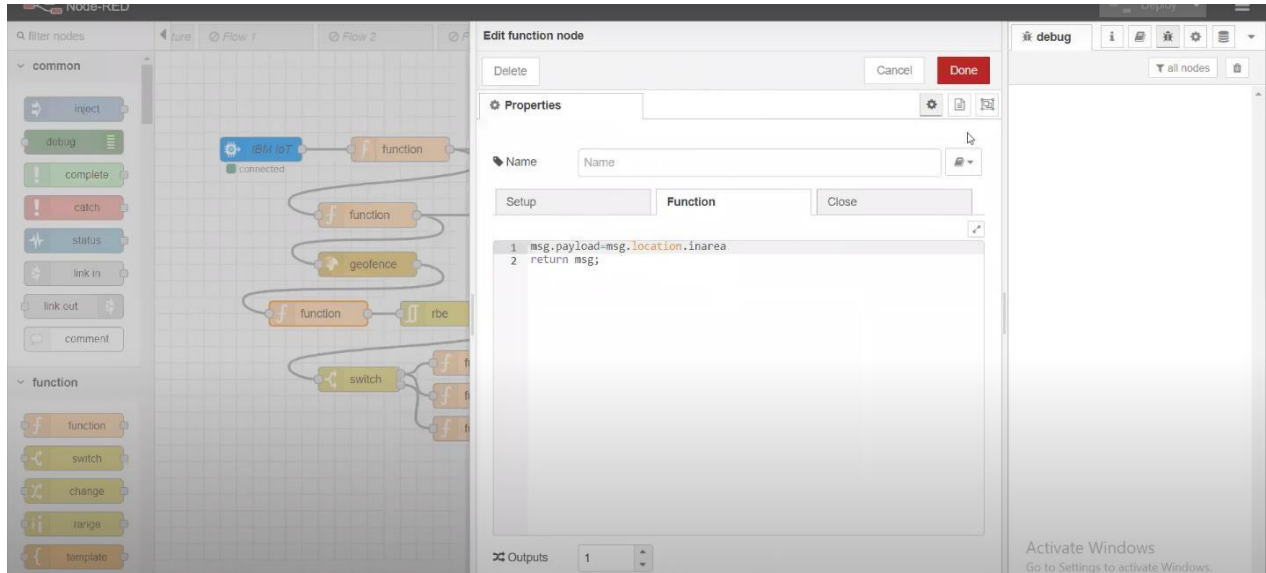
Step 5: Create geo-fence in a particular area.



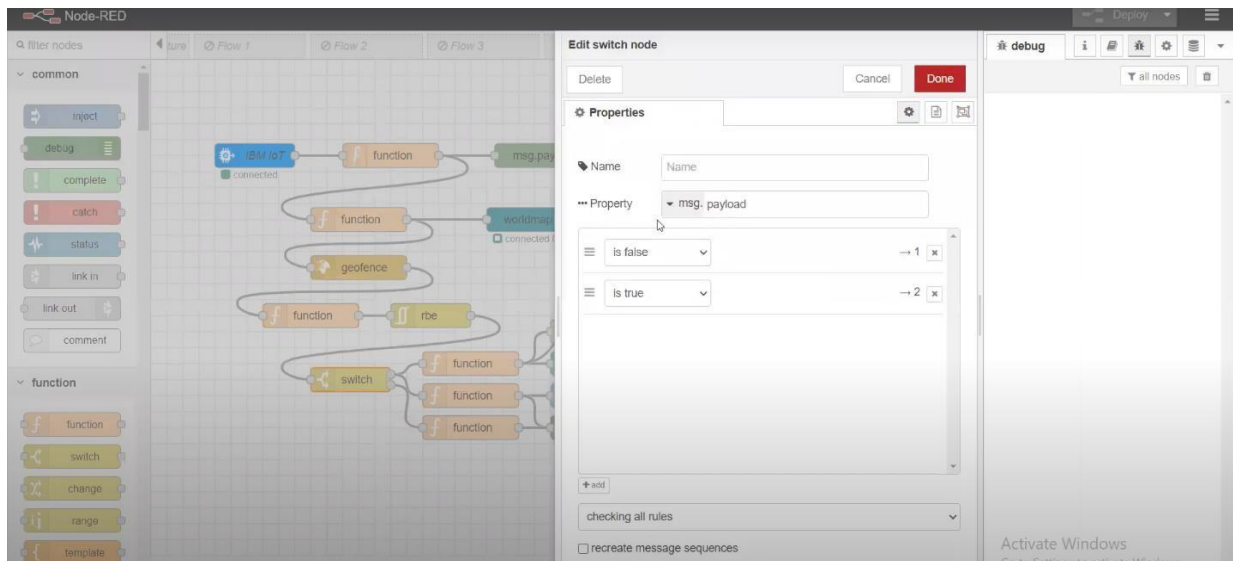
Step 6: Select the function block.



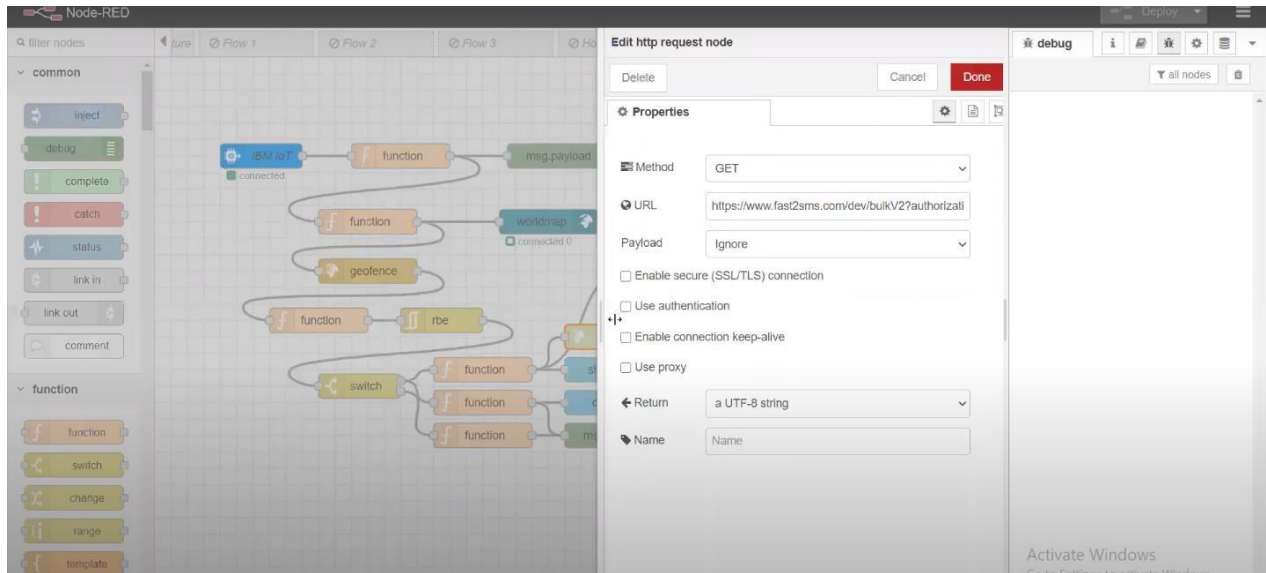
Step 7: Select the message payload.



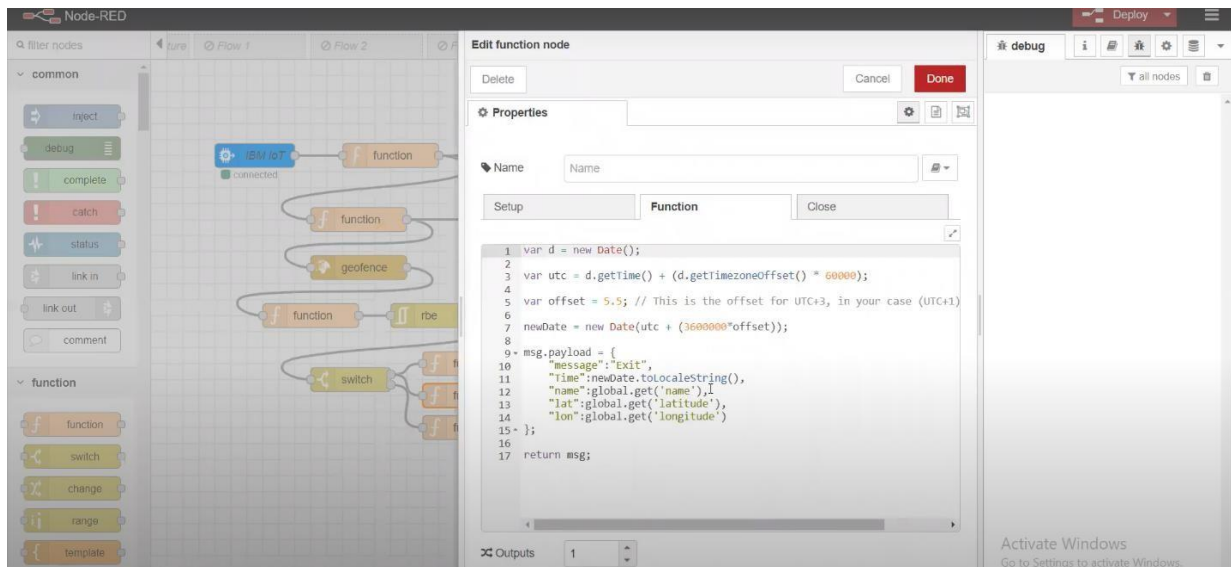
Step 8: To identify the person in area.



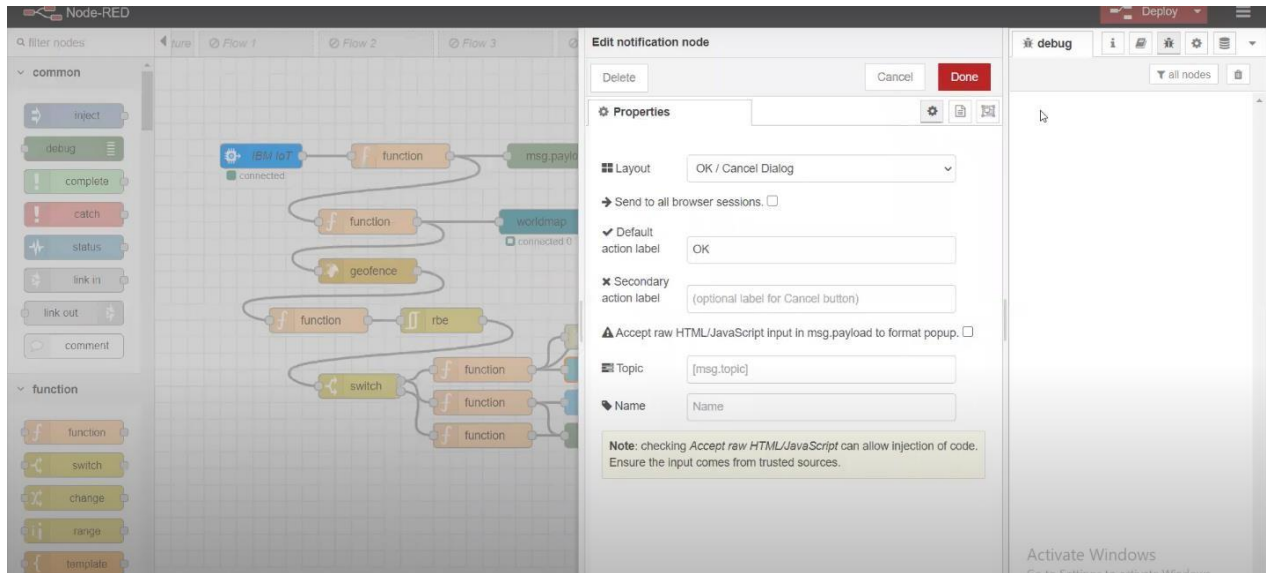
Step 9: Select the http request to send message to parent or guardian.



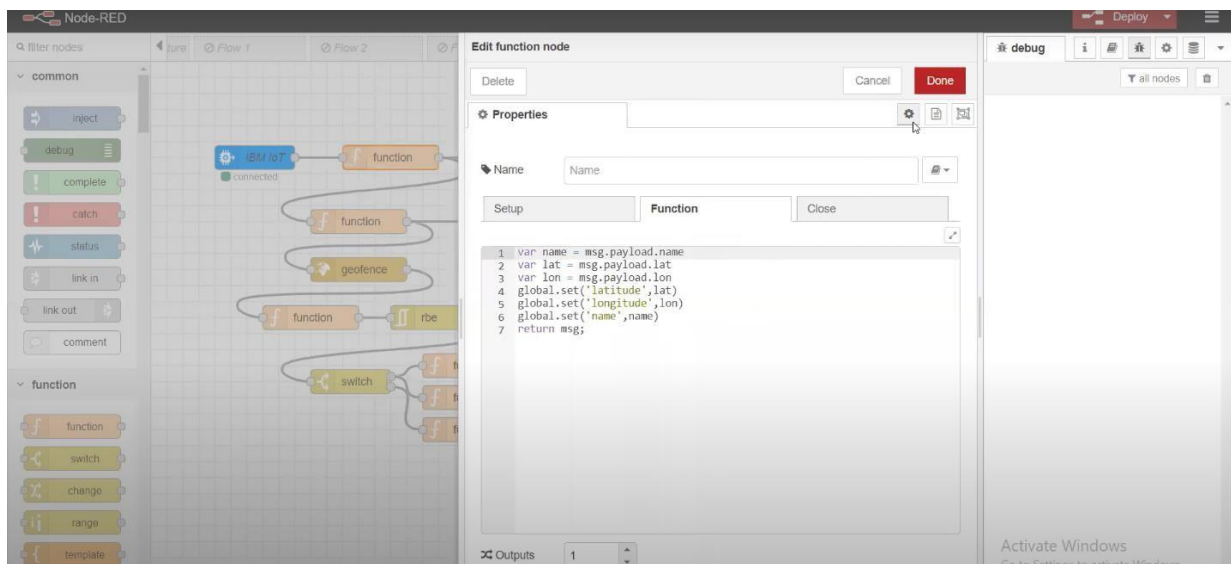
Step 10: For sending the message with time.



Step 10: Click show dialog for notifying the popup alert.



Step 11: Create another payload and to pass the data to geo-fence and world map.



Step 12: Click the world map to see the location.

