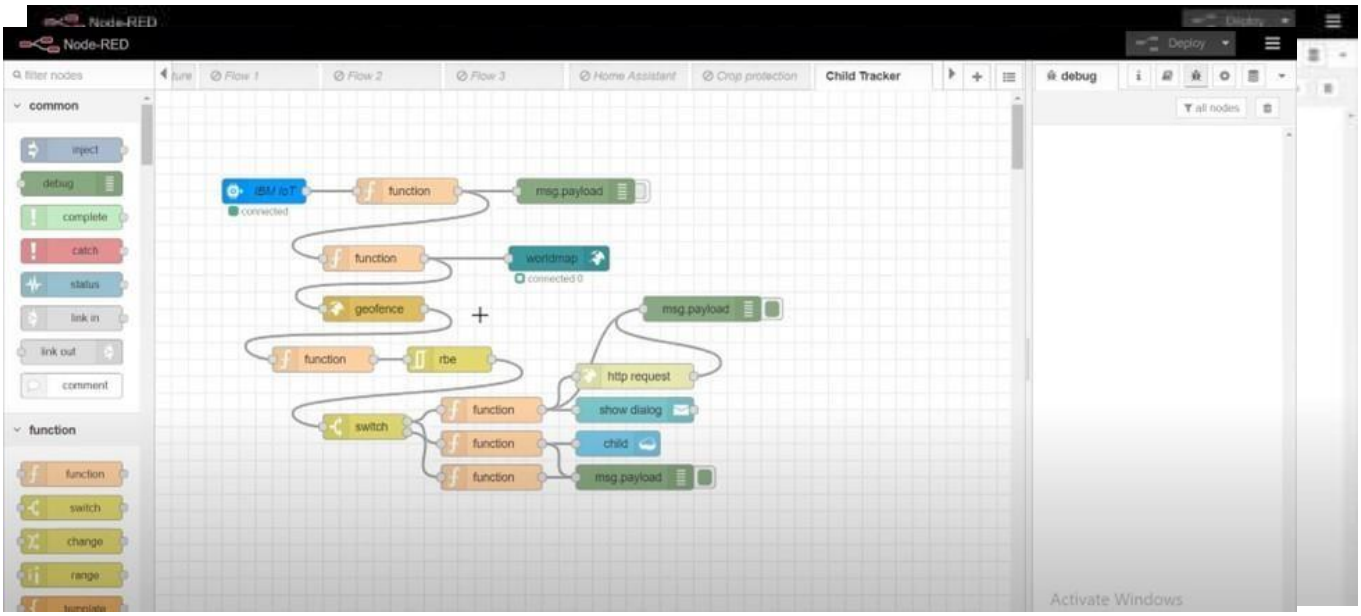
Develop A Web Application Using Node-RED

Team ID	PNT2022TMID23841
Project Name	**IoT based Safety Gadget for Child Safety,monitoring and notification**
TEAM LEADER &TEAM MEMBERS	1. DHARANI N 2.ADITHYA V 3.DEEPIKA B 4.GOPIKA M

Step 1:Opened a Node-RED project




```
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

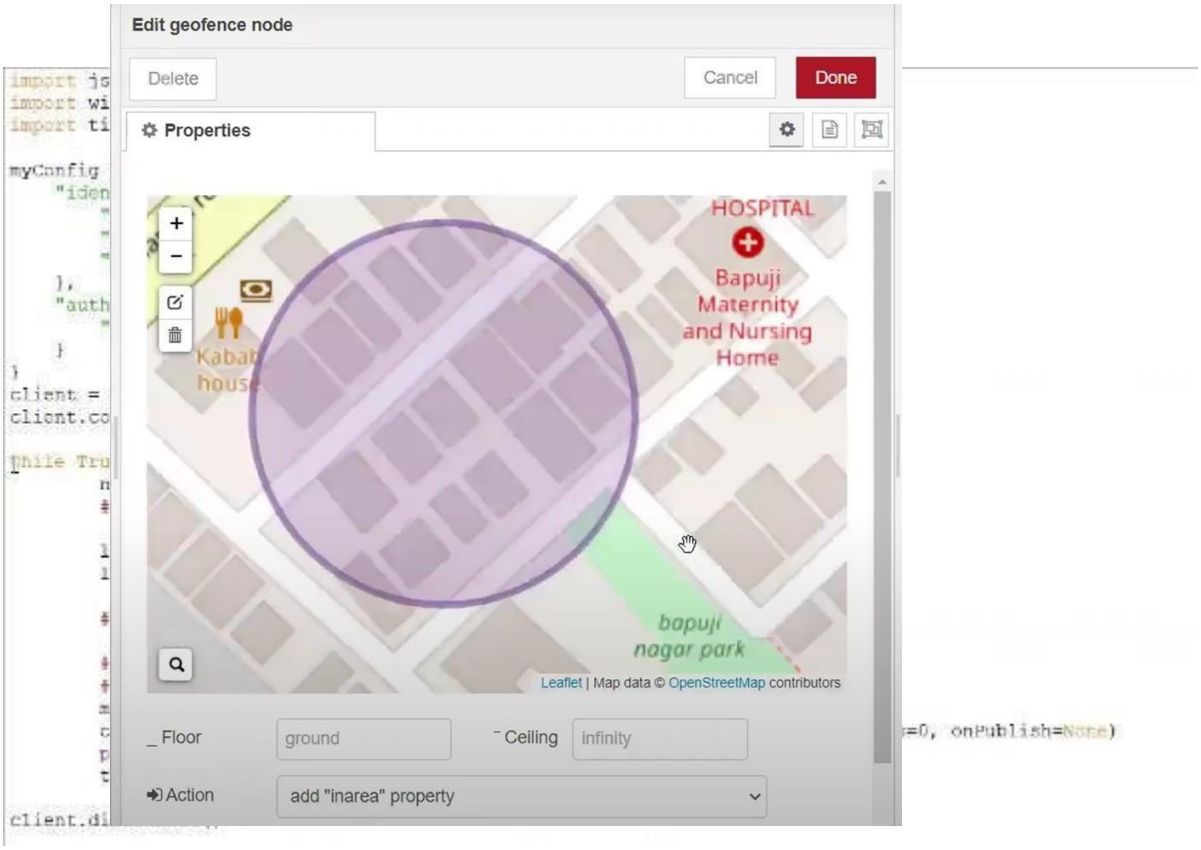
        latitude= 17.4225176
        longitude= 78.5458842

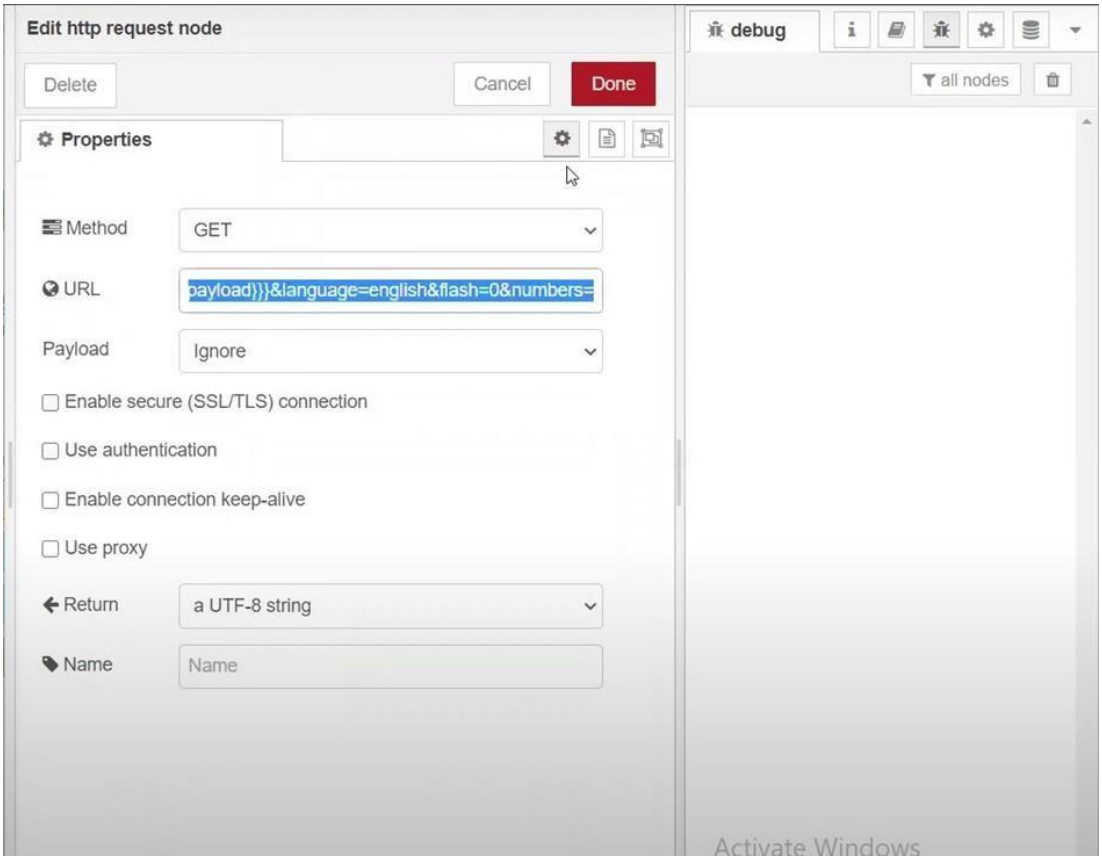
        #out area location

        #latitude= 17.4219272
        #longitude= 78.5488783
        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 platfrom: ",myData)
        time.sleep(5)

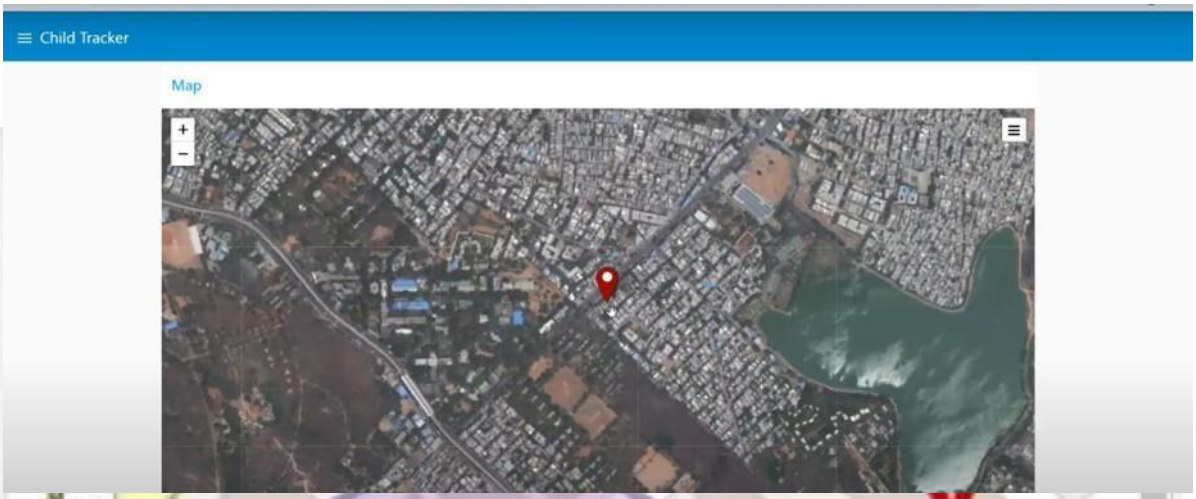
client.disconnect()
```

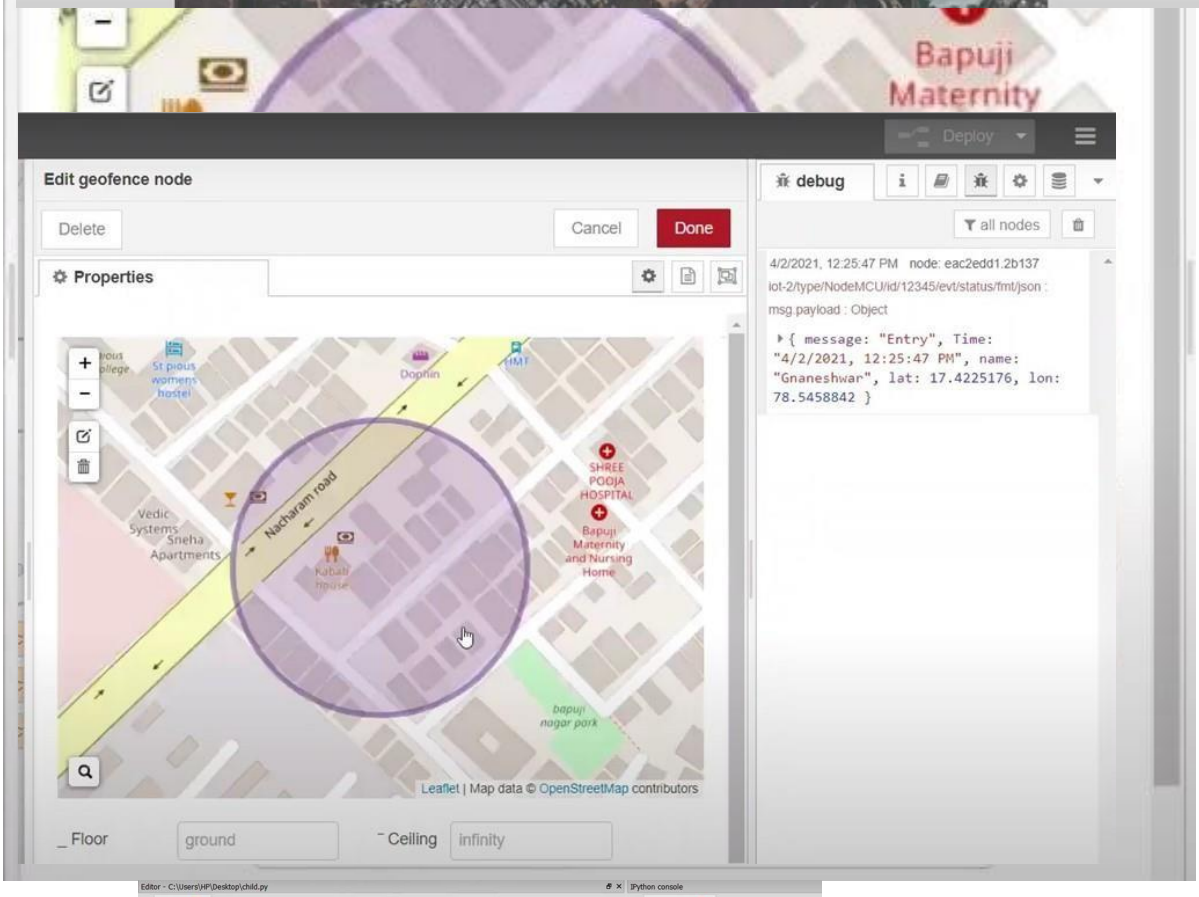
Step 2: Added code to get child location in python

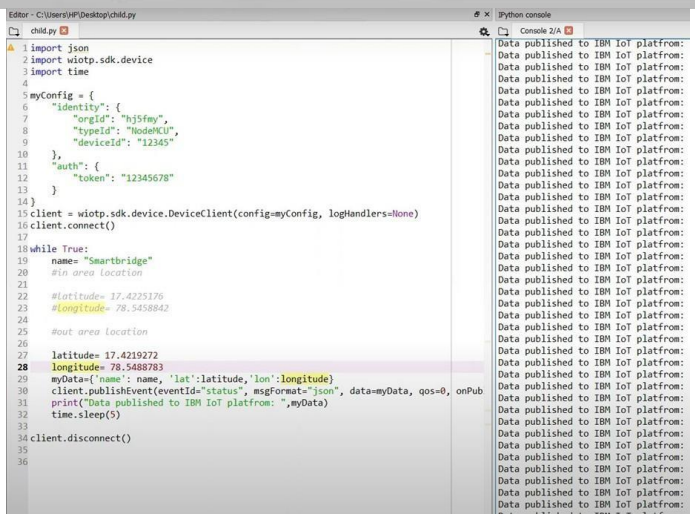




Step 3: Created the Geo-Fence







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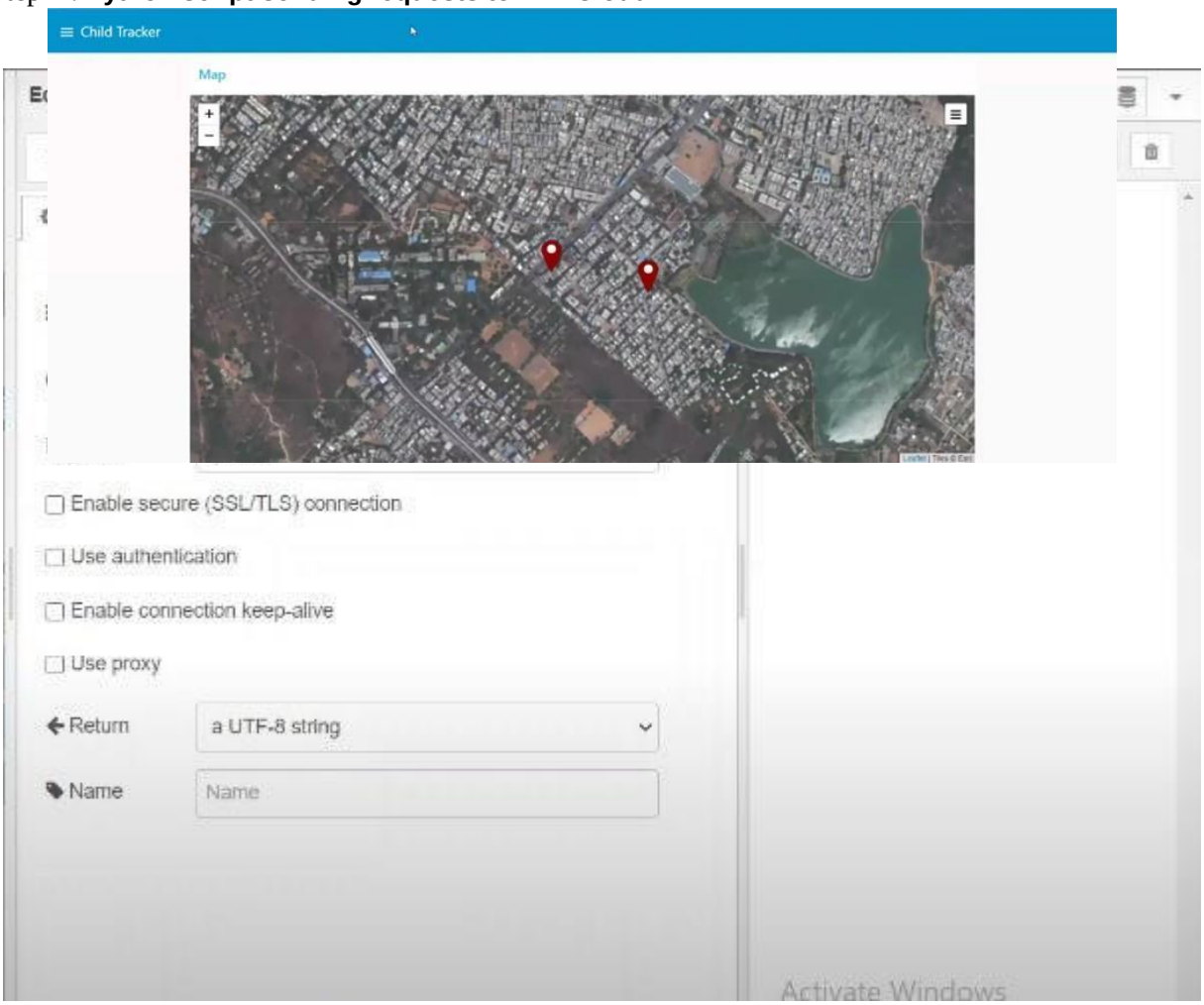
    myData={'name': name, 'lat':latitude,'lon':longitude}
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPub
    print("Data published to IBM IoT platfrom: ",myData)
    time.sleep(5)

client.disconnect()
```

```
Data published to IBM IoT platfrom:
```

Step 4 : **Python script sending requests to IBM Cloud**



Step 5: Editing the HTTP Request URL