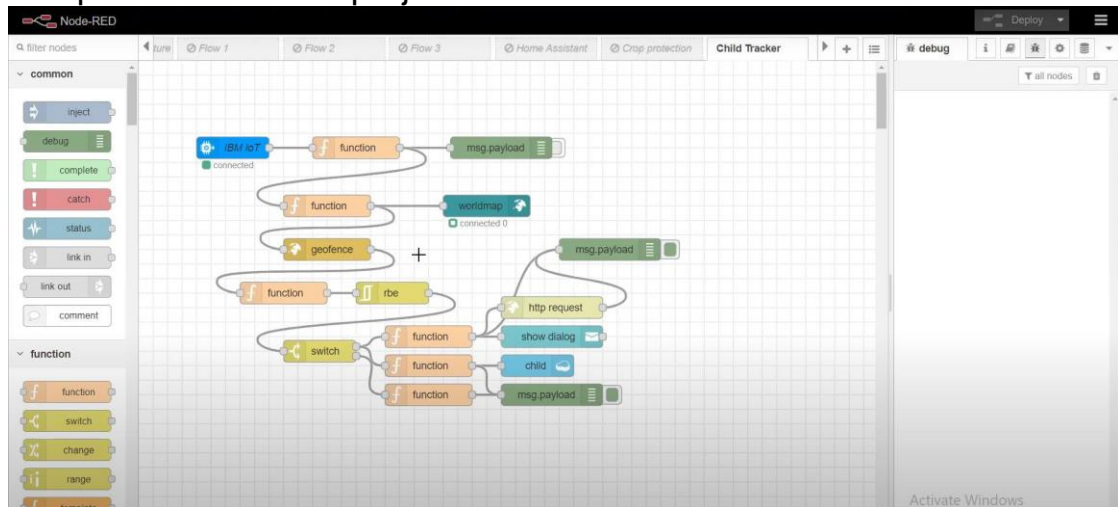# Develop The Web Application Using Node-RED

1. To Develop the web application using Node-RED

Steps :
1. Open a Node-RED project

2. Add code to get child location in python

3. Create the GeoFence

4. Edit the HTTP Request URL

5. Locate the child

6. Create the geofence node

7. Python script send requests to IBM Cloud

```
ChildTRack.py - C:\Users\Jarvis1026\Desktop\ChildTRack.py (3.7.6)
File  Edit  Format  Run  Options  Window  Help

import json
import wiotp.sdk.device
import time
import random
from collections.abc import MutableSequence

myConfig = {
    "identity": {
        "orgId": "9a7ip9",
        "typeId": "NodeMCU",
        "deviceId": "7010300"
    },
    "auth":{
        "token": "3ABPWOR(cHHSs!-mA+"
    }
}
client=wiotp.sdk.device.DeviceClient(config=myConfig,logHandlers=None)
client.connect()

while True:
    name="Person 1"
    latitude=17.4219272
    longitude=78.548842

    myData={'name':name,'lat':latitude,'lon':longitude}
    client.publishEvent(eventId="status",msgFormat="json",data=myData,qos=0,onPublish=None)
    print("Data published: ",myData)
    time.sleep(3)

client.disconnect()
```
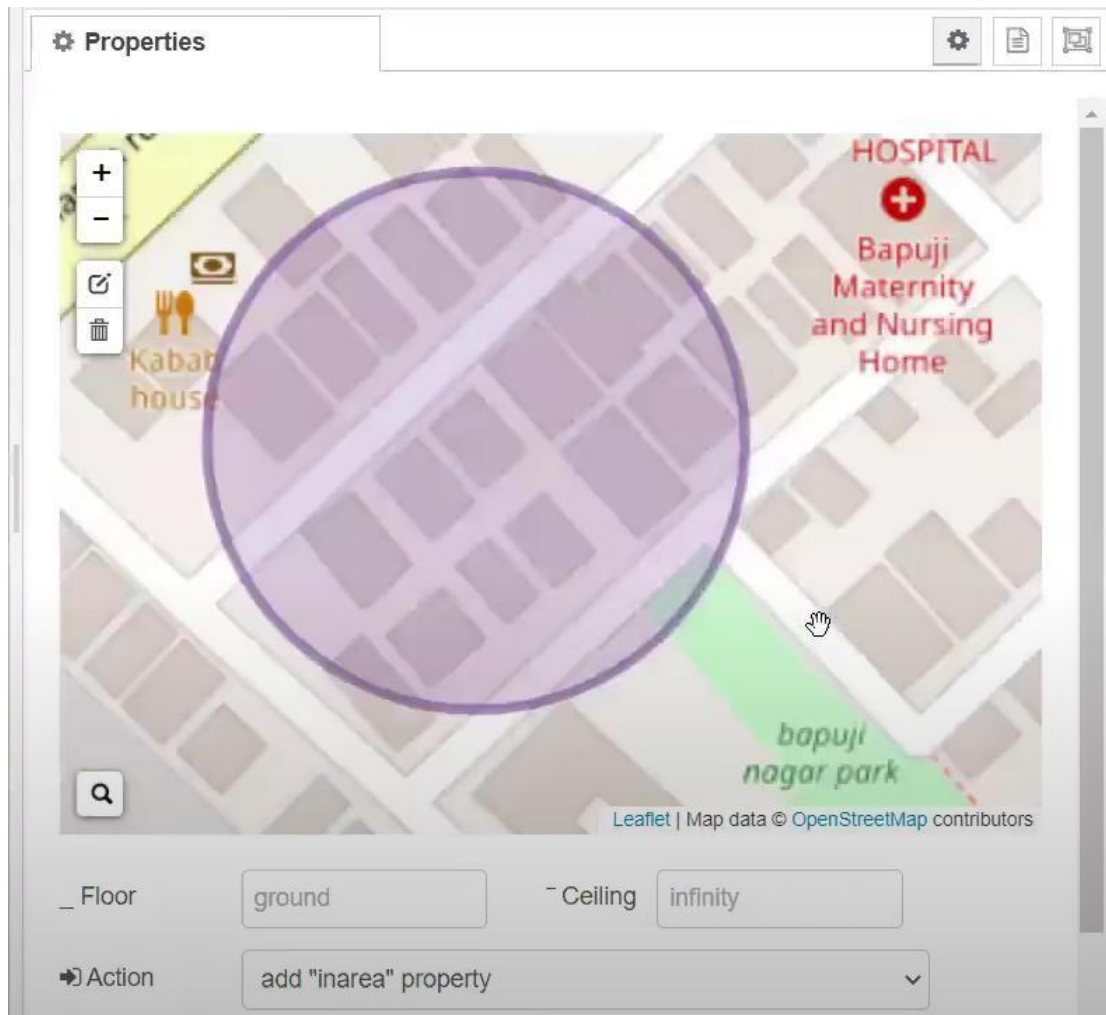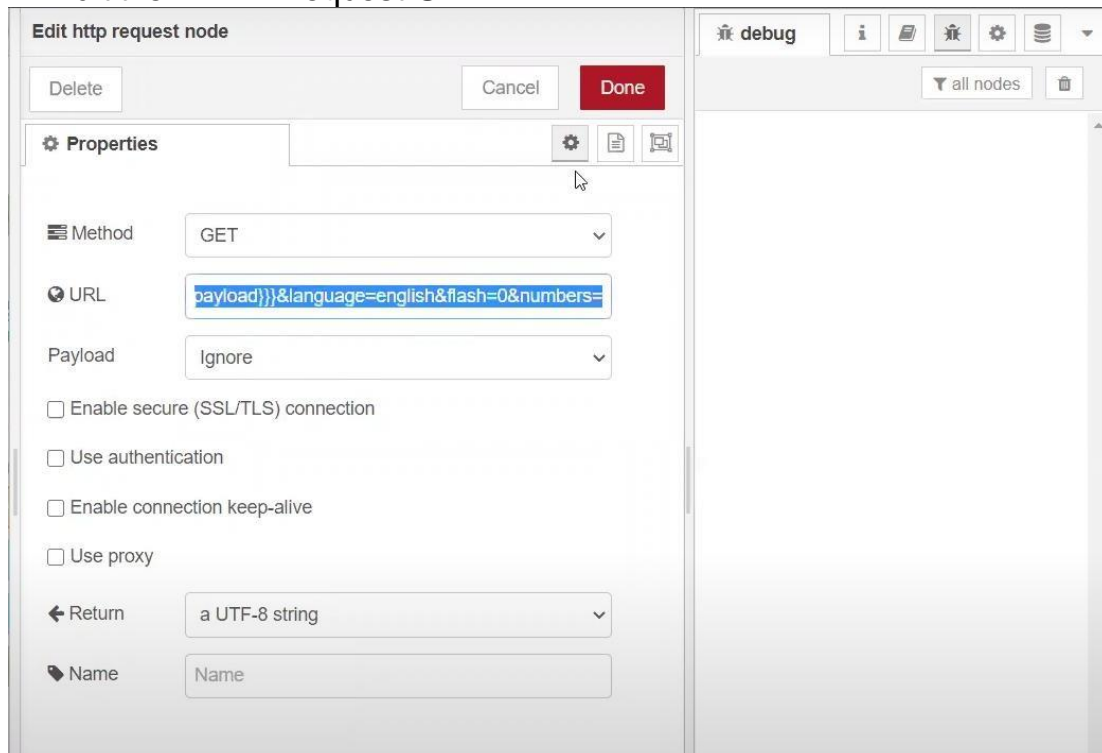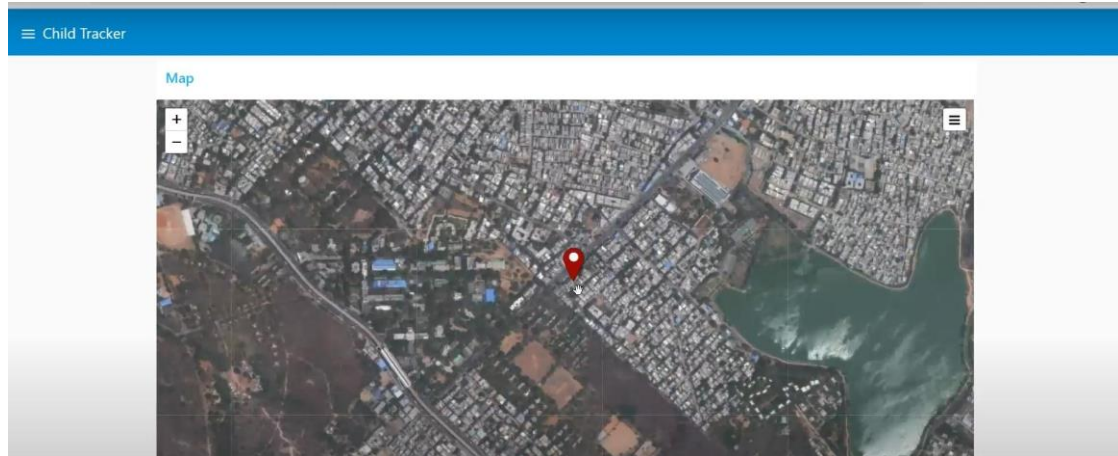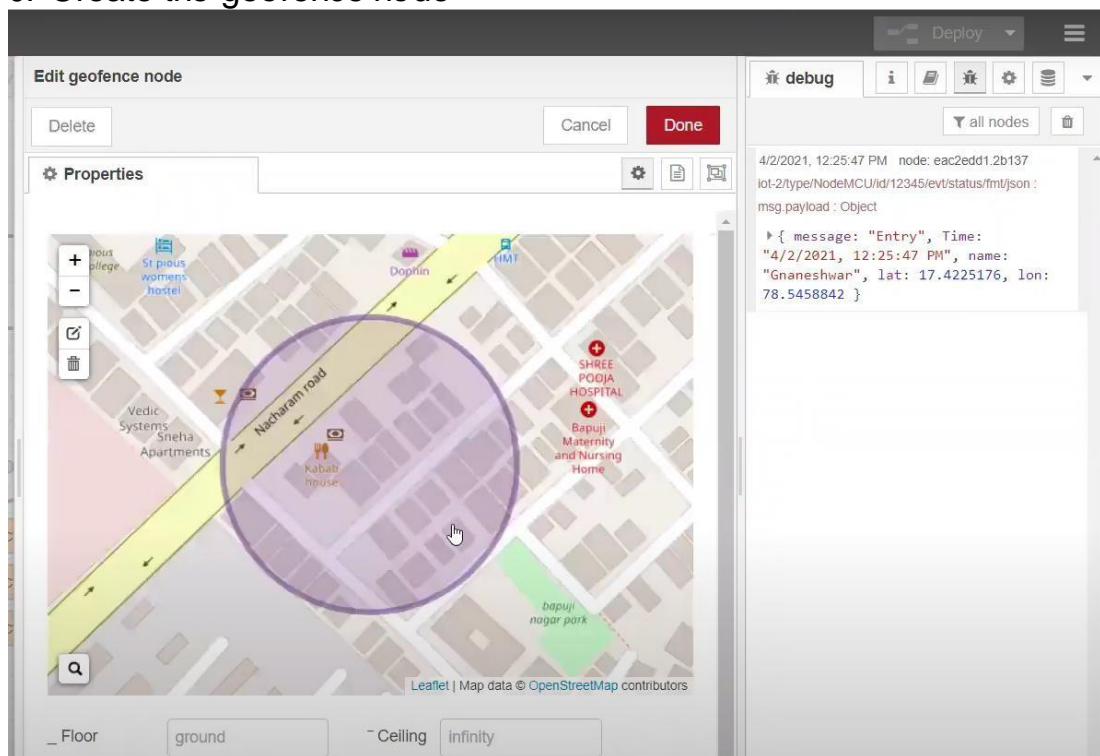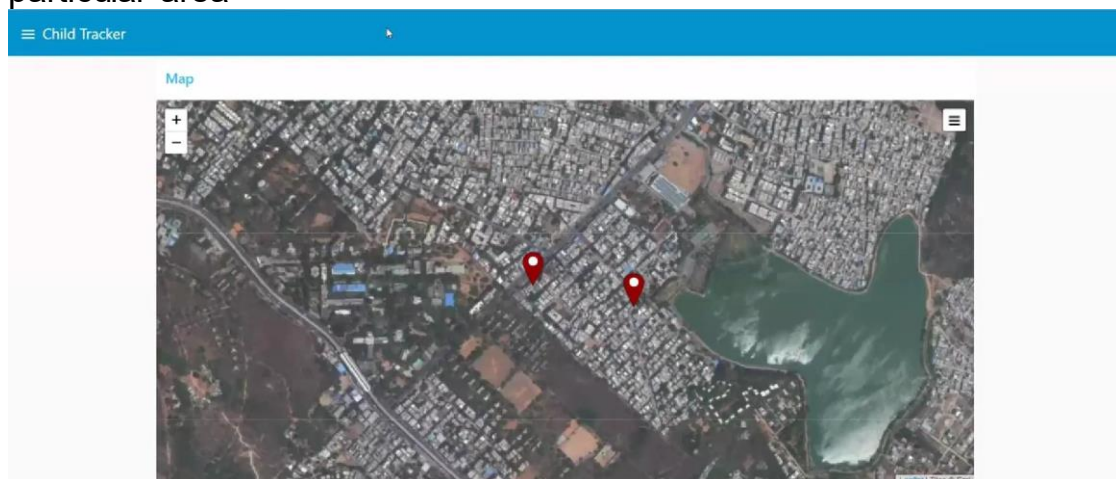
8. After running the script, the web UI shows "Person is not in the particular area"

Conclusion:

Developed the web application using Node-RED Successfully