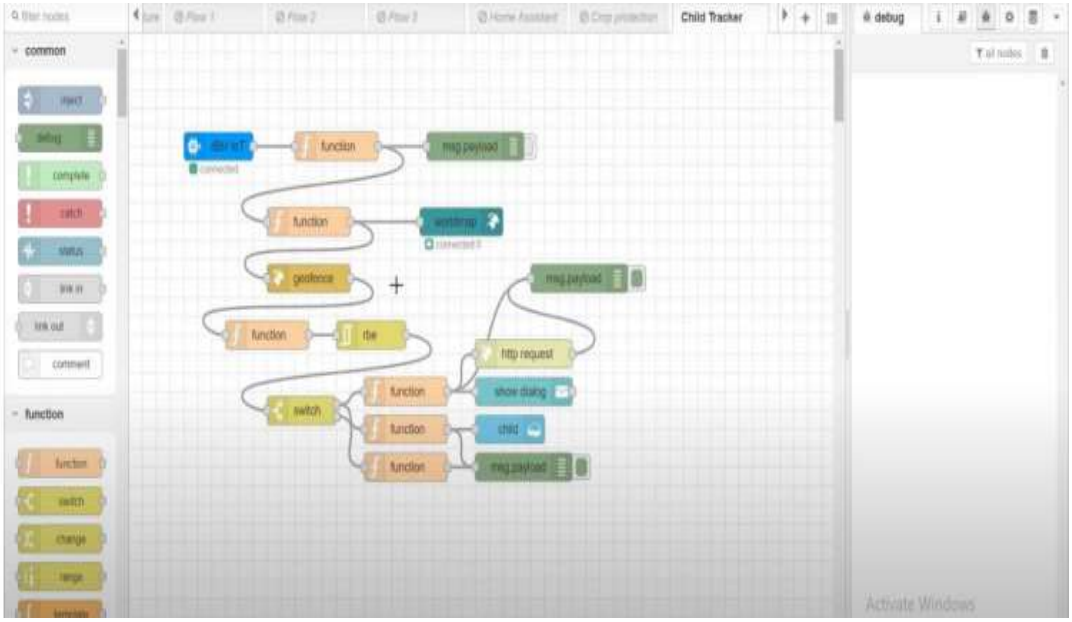
Develop A Web Application Using Node-RED

Steps:

- connect all the nodes needed for child tracking web app



- Added code to get child location in python

childtracking code.py - C:\Users\Home\Desktop\IBM_1\Assignments\Team leader\childtracking code.py (3.9.2)

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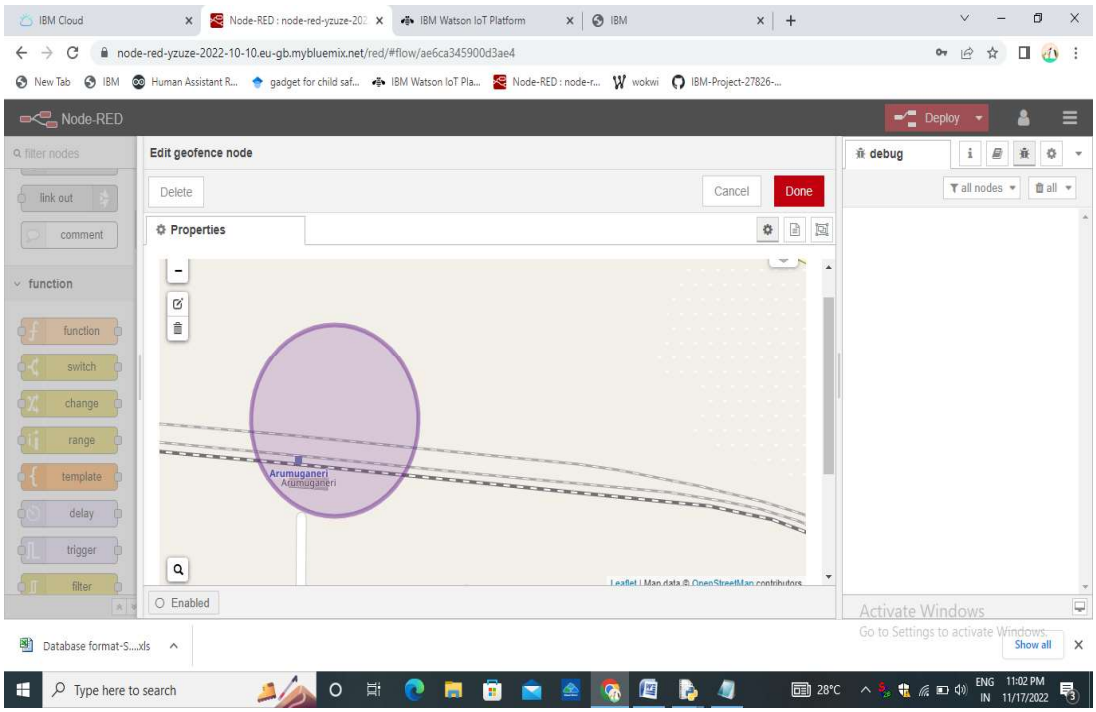
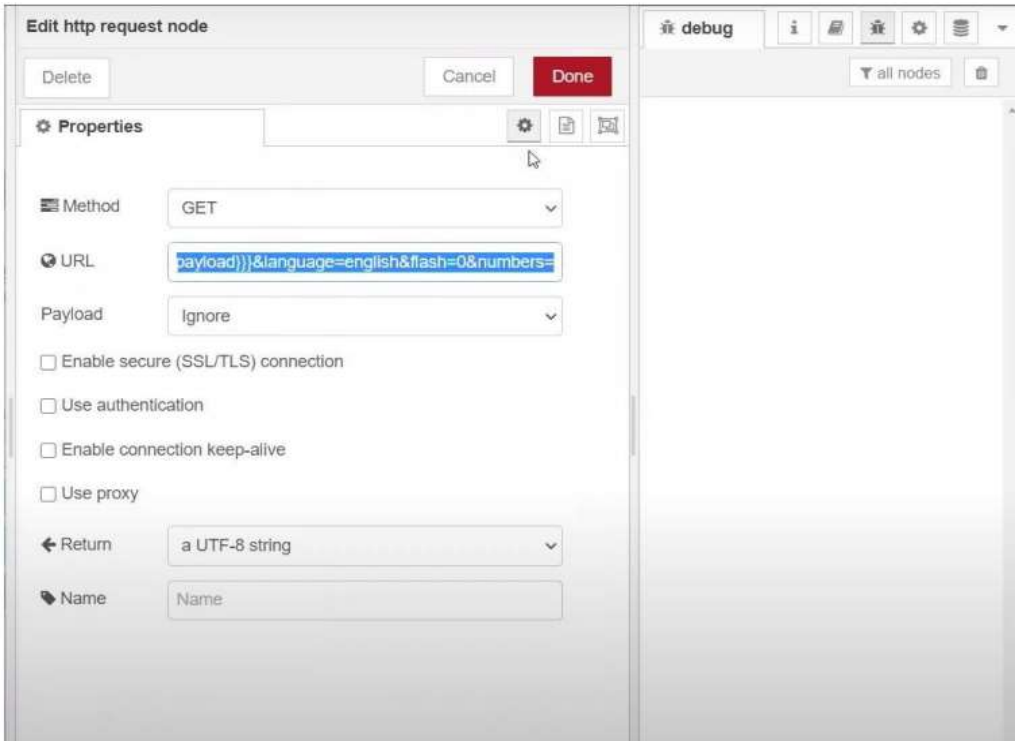
```
import time
import json

import wiotp.sdk.device


#Provide your IBM Watson Device Credentials
myConfig = {
    "identity": {
        "orgId" : "o99vwg",
        "typeId" : "CHILDTRACKING",
        "deviceId" : "TRACK"
    },
    "auth":{
       "token":"CHILDTRACKING123"
    }
}
client = wiotp.sdk.device.DeviceClient(config=myConfig,logHandlers=None)
client.connect()
while True:
    name= "Smartbridge"

    latitude= 17.42222
    longitude= 78.546


    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 platfom: ",myData)
    time.sleep(5)

client.disconnect()
```

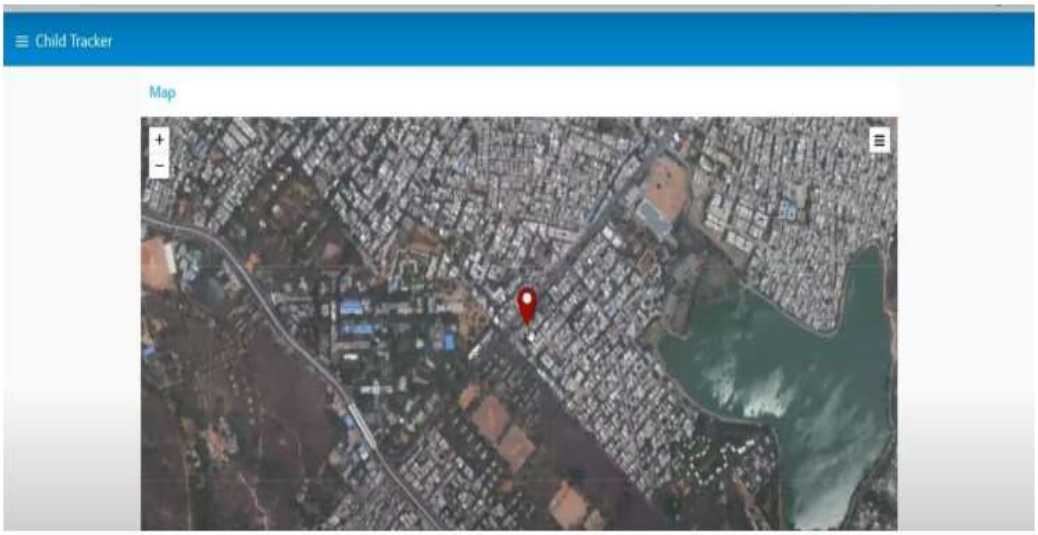
- The GeoFence created around the child's location



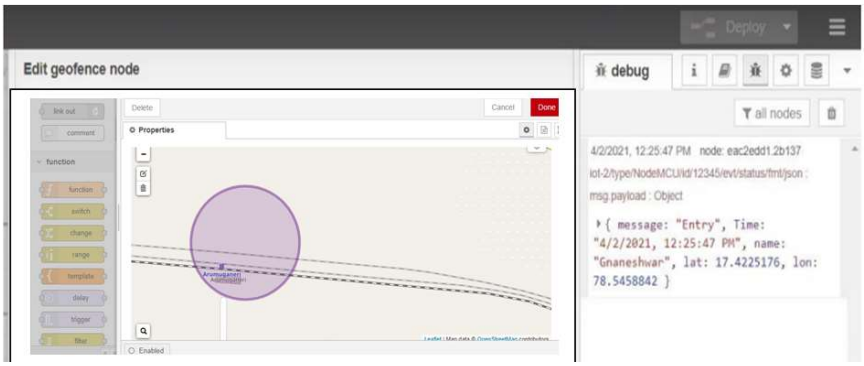
- Type HTTP Request URL



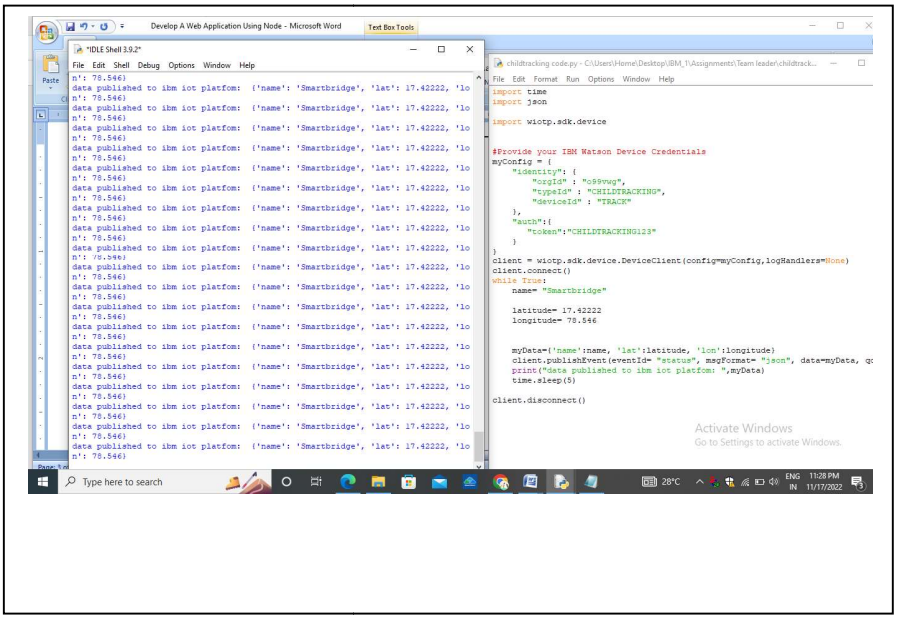
- Located the child



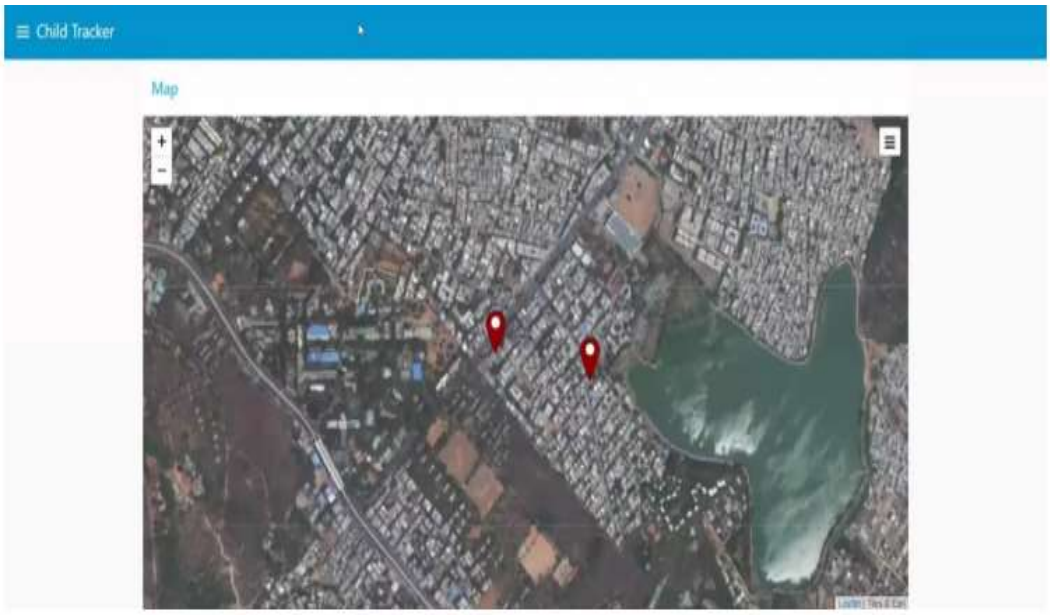
- Created the geofence node



- Python script sending requests to IBM Cloud



- Run the code and check“ the person is in area ”or not



Thus the node red web application was created.

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