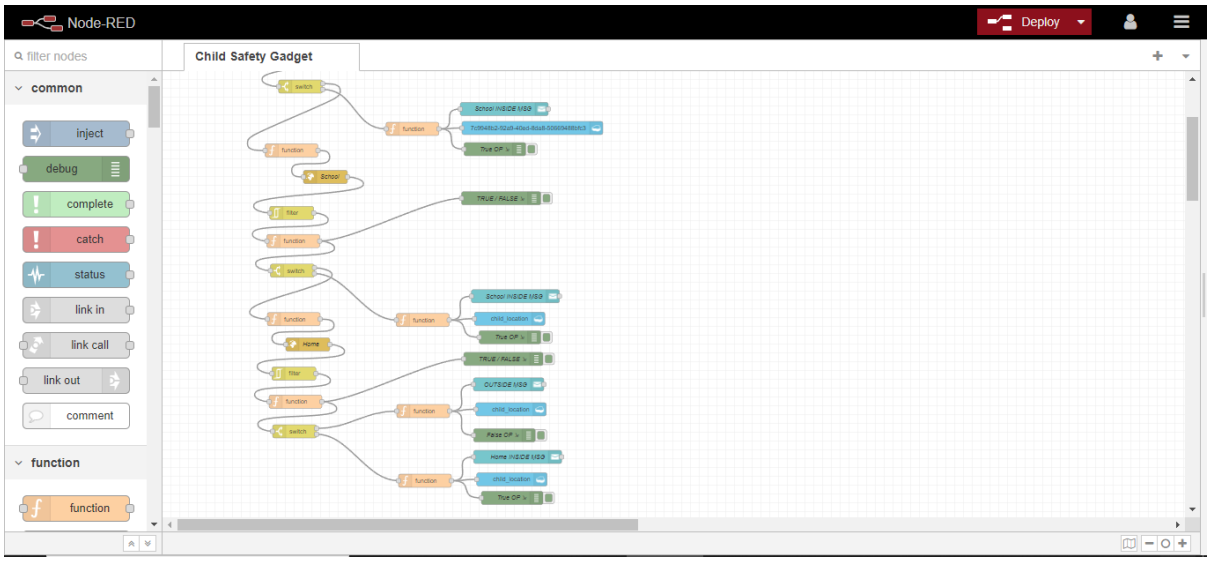
Develop The Web Application Using Node-RED

Aim: Develop the web application using Node-RED Steps Followed:

Opened a Node-RED project



Added code to get child location in python

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```
import json
import collections
import wiotp.sdk.device
import time
myConfig = {
    "identity" : {
        "orgId" :"ylsel7",
        "typeId" : "Android",
        "deviceId" : "ylsel7"
    },
    "auth":{
        "token":"WORLDSpretty@1811"
        }
}

client = wiotp.sdk.device.DeviceClient(config=myConfig ,logHandlers=None)
client.connect()
while True:
    name = "salem"
    #child is in safe(Salem)
    #latitude = 11.664325
    #longitude = 78.146011

    #child is in playing area(Coimbatore)
    #latitude = 11.004556
    #longitude = 76.961632

    #child in school(Chennai)
    latitude = 13.067439
    longitude = 80.237617


    myData = {'latitude' :latitude, 'longitude':longitude}
    client.publishEvent(eventId="status",msgFormat="json",data=myData,qos=0,onPu
    print("Data published to IBM IoT platform : ",myData)
    time.sleep(20)
client.disconnect()
```

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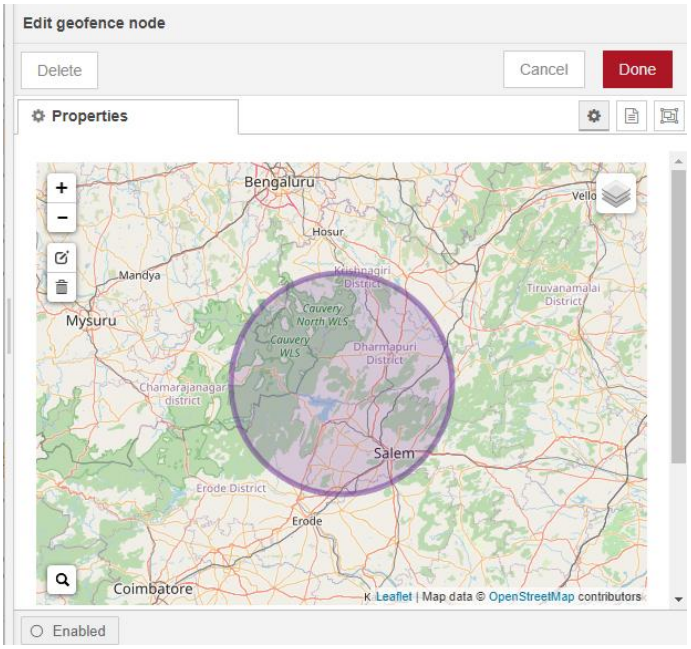
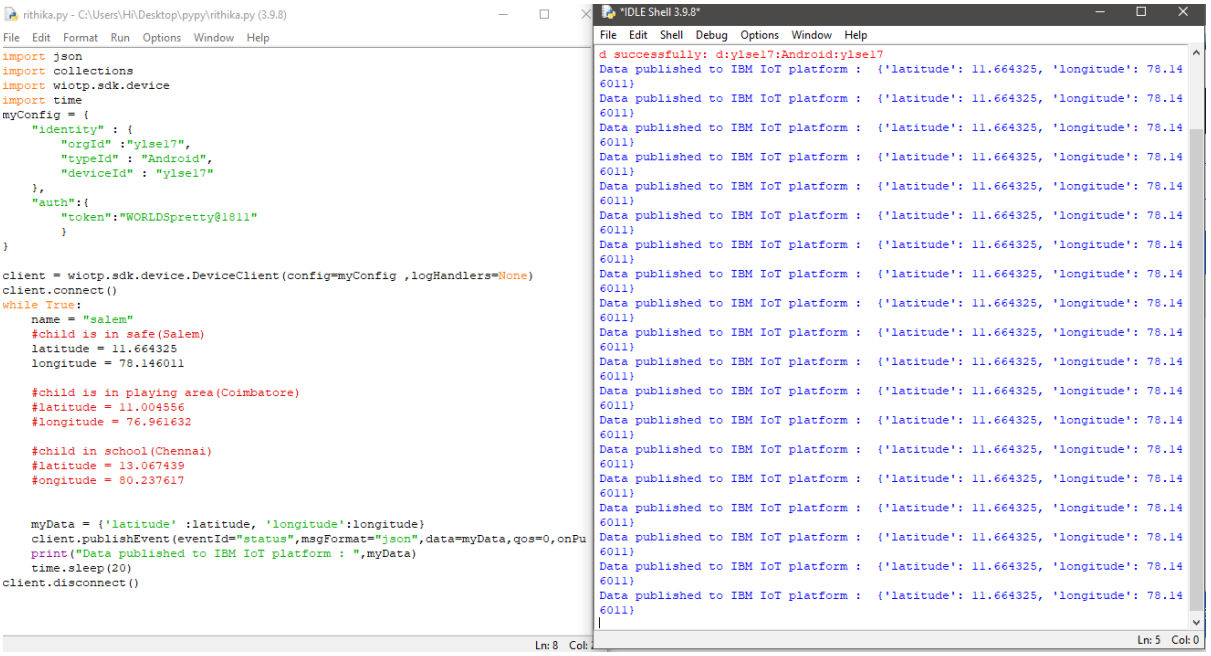
Created the GeoFence



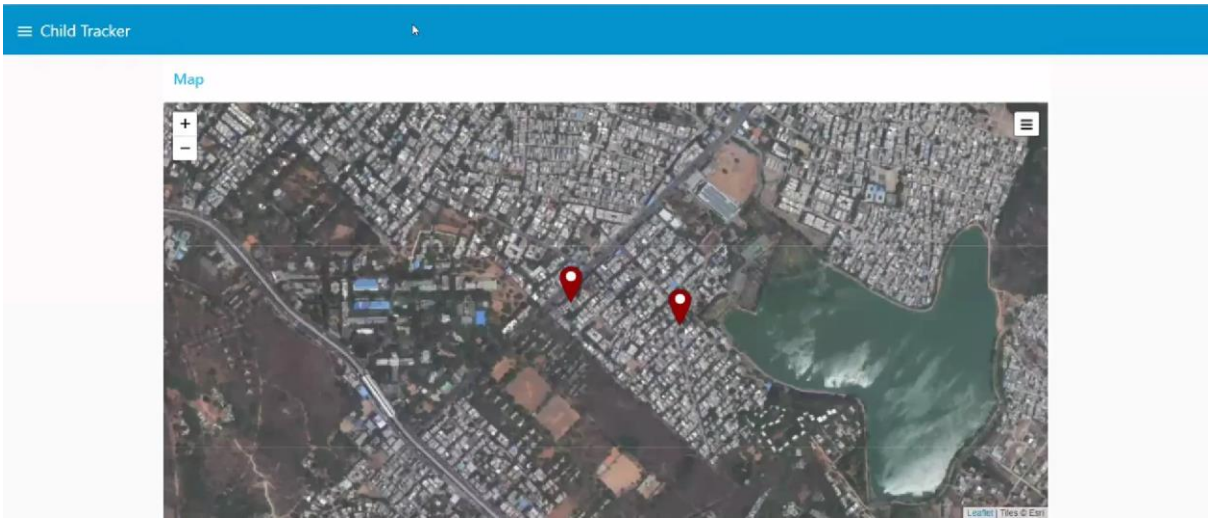
Python script sending requests to IBM Cloud



```
import json
import collections
import wiotp.sdk.device
import time
myConfig = {
    "identity" : {
        "orgId" :"ylse17",
        "typeId" : "Android",
        "deviceId" : "ylse17"
    },
    "auth":{
        "token":"WORLDSpretty@1811"
        }
}

client = wiotp.sdk.device.DeviceClient(config=myConfig ,logHandlers=None)
client.connect()
while True:
    name = "salem"
    #child is in safe(Salem)
    latitude = 11.664325
    longitude = 78.146011

    #child is in playing area(Coimbatore)
    #latitude = 11.004556
    #longitude = 76.961632

    #child in school(Chennai)
    #latitude = 13.067439
    #ongitude = 80.237617


    myData = {'latitude' :latitude, 'longitude':longitude}
    client.publishEvent(eventId="status",msgFormat="json",data=myData,qos=0,onPu
    print("Data published to IBM IoT platform : ",myData)
    time.sleep(20)
client.disconnect()
```

```
d successfully: d:ylse17:Android:ylse17
Data published to IBM IoT platform :  {'latitude': 11.664325, 'longitude': 78.14
6011}
```

Located the Child



Result: Successfully developed the web application using Node-RED