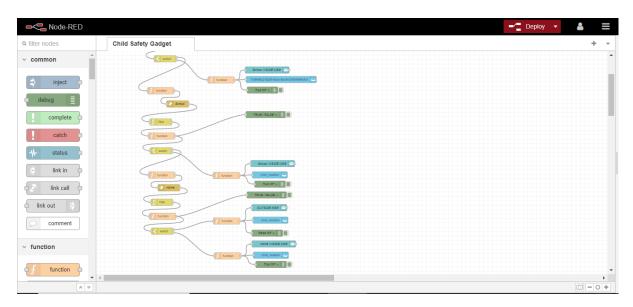
### Develop The Web Application Using Node-RED

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

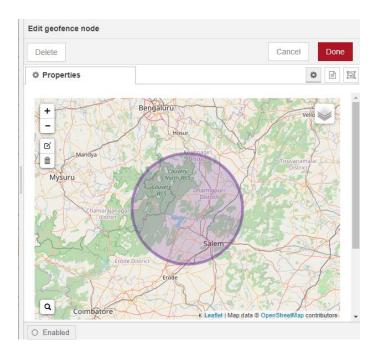
## Opened a Node-RED project



# Added code to get child location in python

```
File Edit Format Run Options Window Help
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:
     #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()
                                                                                                          Ln: 26 Col: 5
```

#### Created the GeoFence



# Python script sending requests to IBM Cloud

```
( 🌛 *IDLE Shell 3.9.8*
 \begin{tabular}{ll} \hline \& & rithika.py - C:\Users\Hi\Desktop\pypy\rithika.py (3.9.8) \\ \hline \end{tabular}
File Edit Format Run Options Window Help
                                                                                                                                                                        File Edit Shell Debug Options Window Help
         rt json
rt collections
                                                                                                                                                                         d successfully: d:ylsel7:Android:ylsel7
Data published to IBM IoT platform : ('latitude': 11.664325, 'longitude': 78.14
                                                                                                                                                                        Data published to IBM IoT platform: ('latitude': 11.664325, 'longitude': 78.14 6011)

Data published to IBM IoT platform: ('latitude': 11.664325, 'longitude': 78.14 6011)

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Data published to IBM IoT platform: ('latitude': 11.664325, 'longitude': 78.14 6011)

Data published to IBM IoT platform: ('latitude': 11.664325, 'longitude': 78.14 6011)
              wiotp.sdk.device
import wiotp.sdk.device
import time
myConfig = {
    "identity" : {
        "orgId" : "ylsel7",
        "typeId" : "Android"
        "deviceId" : "ylsel7
                         en":"WORLDSpretty@1811"
                                                                                                                                                                         Data published to IBM IoT platform : {'latitude': 11.664325, 'longitude': 78.14
                                                                                                                                                                          Data published to IBM IoT platform : {'latitude': 11.664325, 'longitude': 78.14
                                                                                                                                                                         Data published to IBM IoT platform : {'latitude': 11.664325, 'longitude': 78.14 6011}
client = wiotp.sdk.device.DeviceClient(config=myConfig ,logHandlers=None)
client.connect()
       ent.connect()

le True:
name = "salem"

#child is in safe(Salem)
latitude = 11.664325
longitude = 78.146011
                                                                                                                                                                         Data published to IBM IoT platform : {'latitude': 11.664325, 'longitude': 78.14
                                                                                                                                                                         bull)
Data published to IBM IoT platform: {'latitude': 11.664325, 'longitude': 78.14 6011}
                                                                                                                                                                        Coll)

Data published to IBM IoT platform: ('latitude': 11.664325, 'longitude': 78.14 6011)

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#longitude = 76.961632
        #child in school(Chennai)
#latitude = 13.067439
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                                                                                                                                                                          Data published to IBM IoT platform : {'latitude': 11.664325, 'longitude': 78.14
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time.sleep(20)
client.disconnect()
                                                                                                                                                                         Data published to IBM IoT platform : ('latitude': 11.664325, 'longitude': 78.14 6011)
                                                                                                                                                                         Data published to IBM IoT platform : ('latitude': 11.664325, 'longitude': 78.14 6011)
                                                                                                                                                                        Data published to IBM IoT platform : ('latitude': 11.664325, 'longitude': 78.14 6011)
                                                                                                                                                                                                                                                                                                                               Ln: 5 Col: 0
```

# Located the Child



Result: Successfully developed the web application using Node-RED