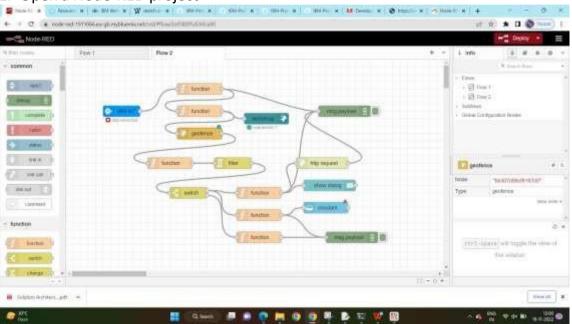
Develop The Web Application Using Node-RED

PNT2022TMID20307

1. To Develop the web application using Node-RED

Steps:

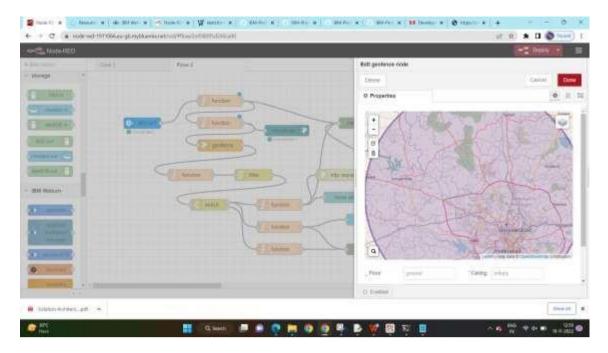
1. Open a Node-RED project



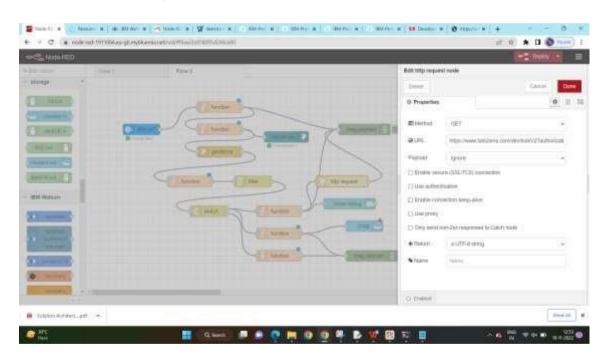
2. Add code to get child location in python

```
import json.
import wiotp sdk device
import time
myConfig = {
  "identity": {
    "orgld": "yw4b61",
    "typeId": "IOT_CHILD",
     "deviceId": "16022002"
   auth": {
     "token": "1911066abcdefgh"
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
while True:
  name= "Child"
  #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.publishEyent(eventId="status",msgformat="json",data=mydata, qos=0, onpublish=None)
  print("Data published to IBM IOT platform:".myData)
  time sleep(5)
client disconnect()
```

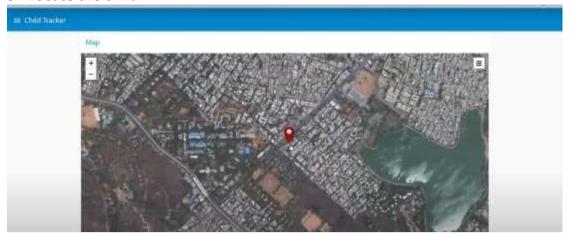
3. Create the GeoFence



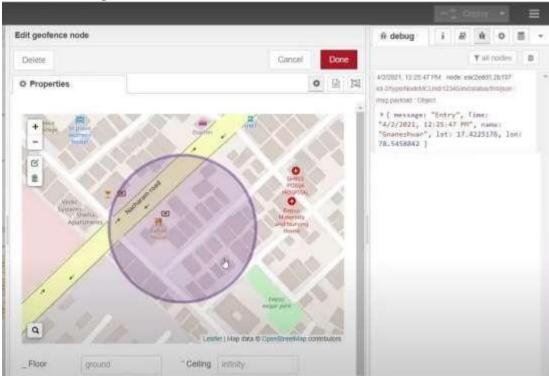
4. Edit the HTTP Request URL



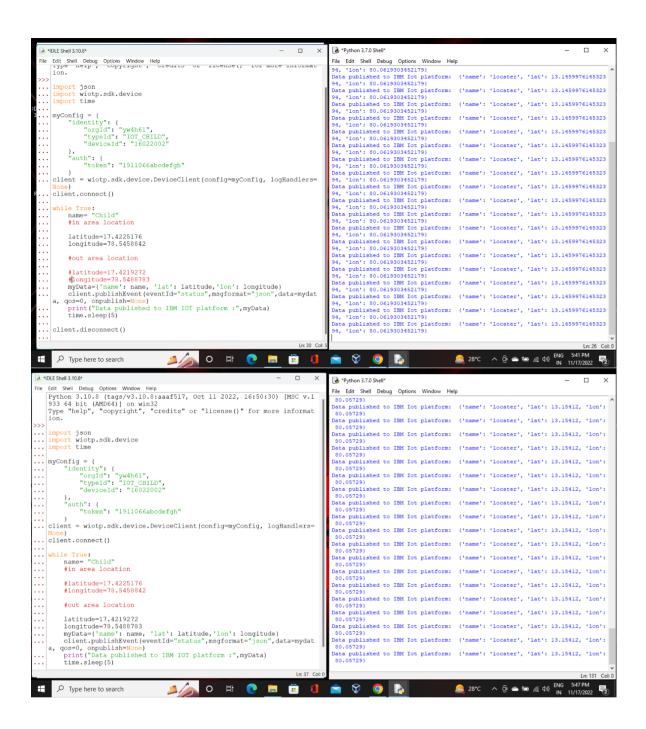
5. Locate the child



6. Create the geofence node



7. Python script send requests to IBM Cloud



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