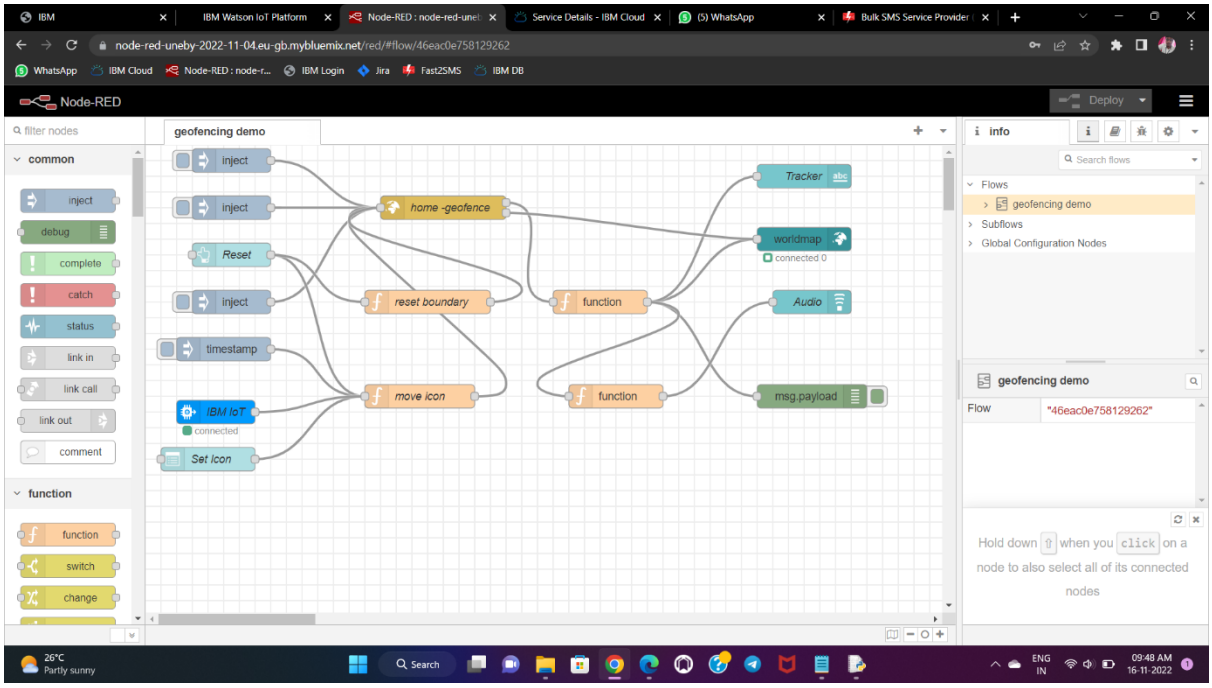
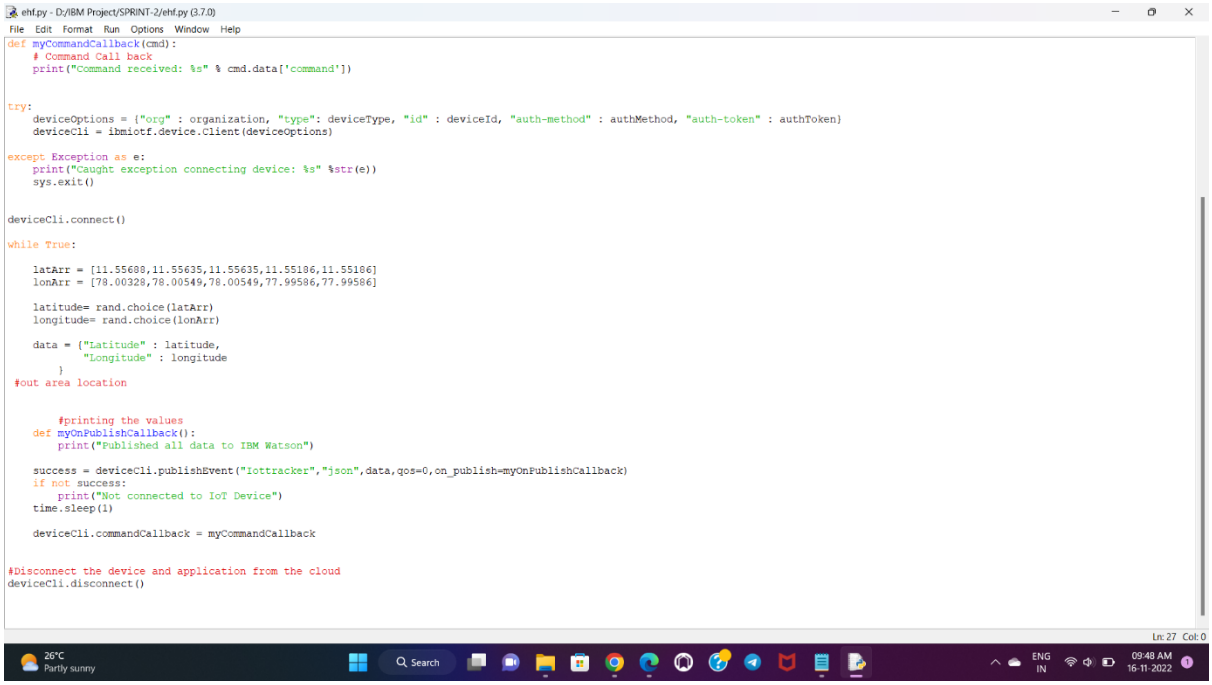
Develop A WebApplication Using Node-RED

StepsFollowed:

- OpenedaNode-REDproject

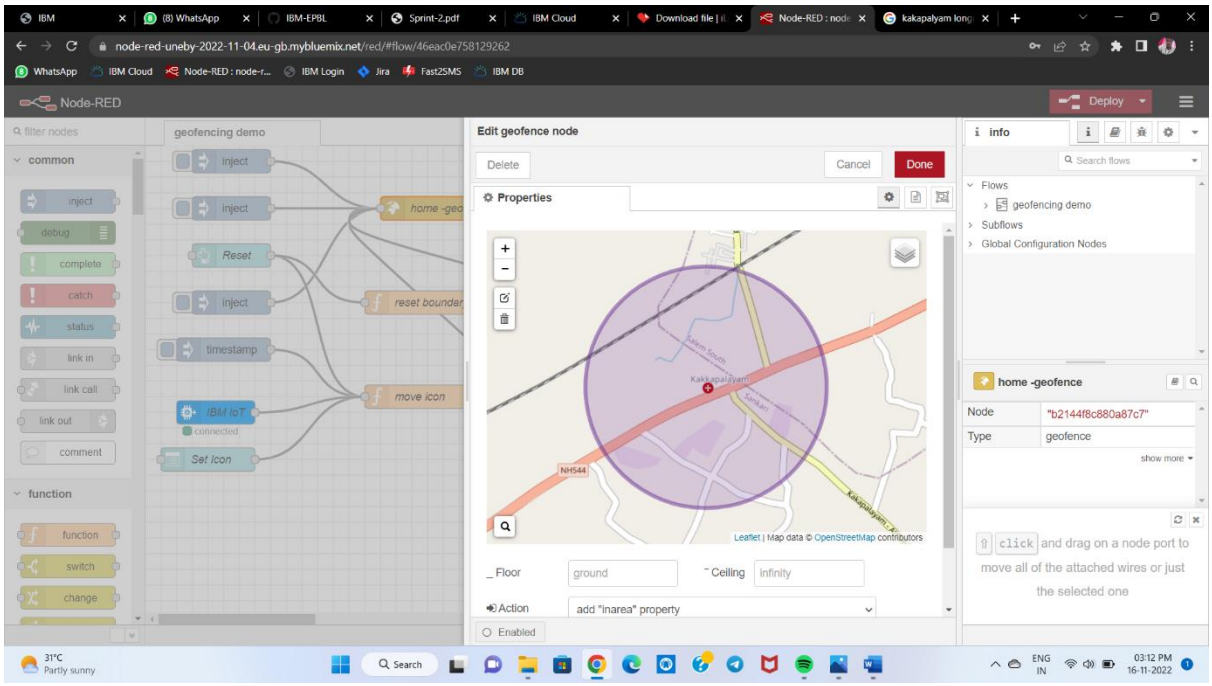


- Added code to get child location in python

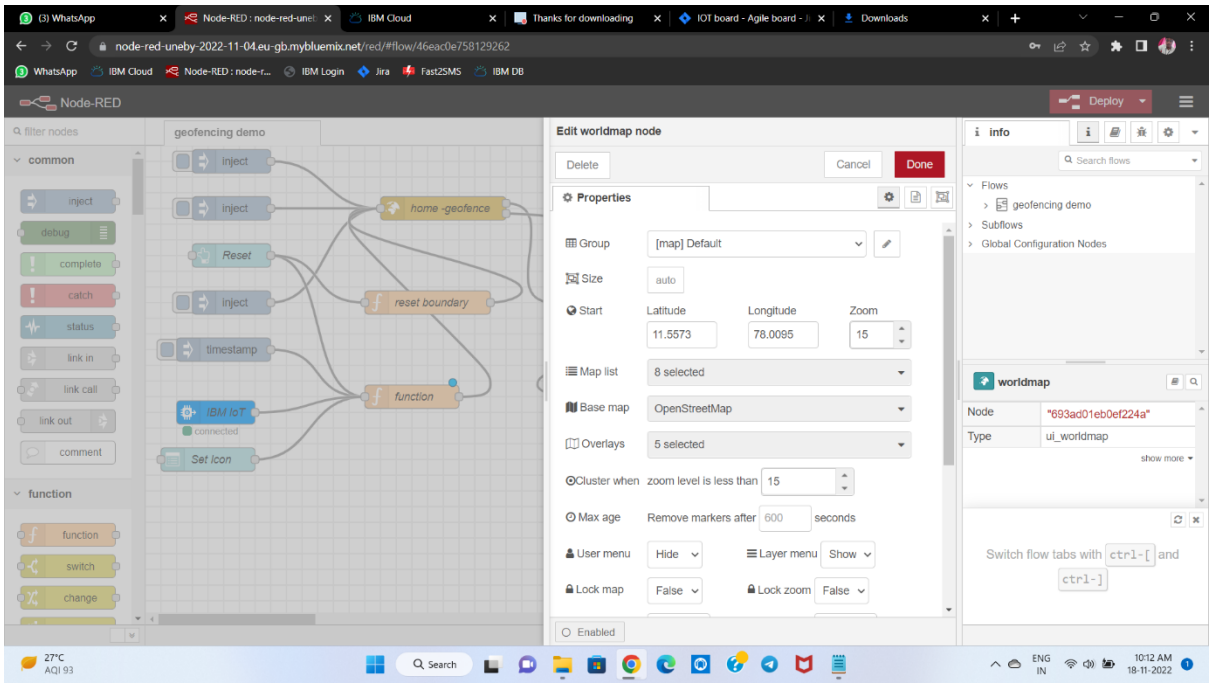


```
def myCommandCallback(cmd):
    # Command Call back
    print("Command received: %s" % cmd.data['command'])


try:
    deviceOptions = {"org" : organization, "type": deviceType, "id" : deviceId, "auth-method" : authMethod, "auth-token" : authToken}
    deviceCli = ibmiotf.device.Client(deviceOptions)

except Exception as e:
    print("Caught exception connecting device: %s" %str(e))
    sys.exit()


deviceCli.connect()

while True:

    latArr = [11.55698,11.55635,11.55635,11.55186,11.55186]
    lonArr = [78.00328,78.00549,78.00549,77.99586,77.99586]

    latitude= rand.choice(latArr)
    longitude= rand.choice(lonArr)

    data = {"Latitude" : latitude,
            "Longitude" : longitude
        }
 #out area location


        #printing the values
    def myOnPublishCallback():
        print("Published all data to IBM Watson")

    success = deviceCli.publishEvent("Iottracker","json",data,qos=0,on_publish=myOnPublishCallback)
    if not success:
        print("Not connected to IoT Device")
    time.sleep(1)

    deviceCli.commandCallback = myCommandCallback


#Disconnect the device and application from the cloud
deviceCli.disconnect()
```

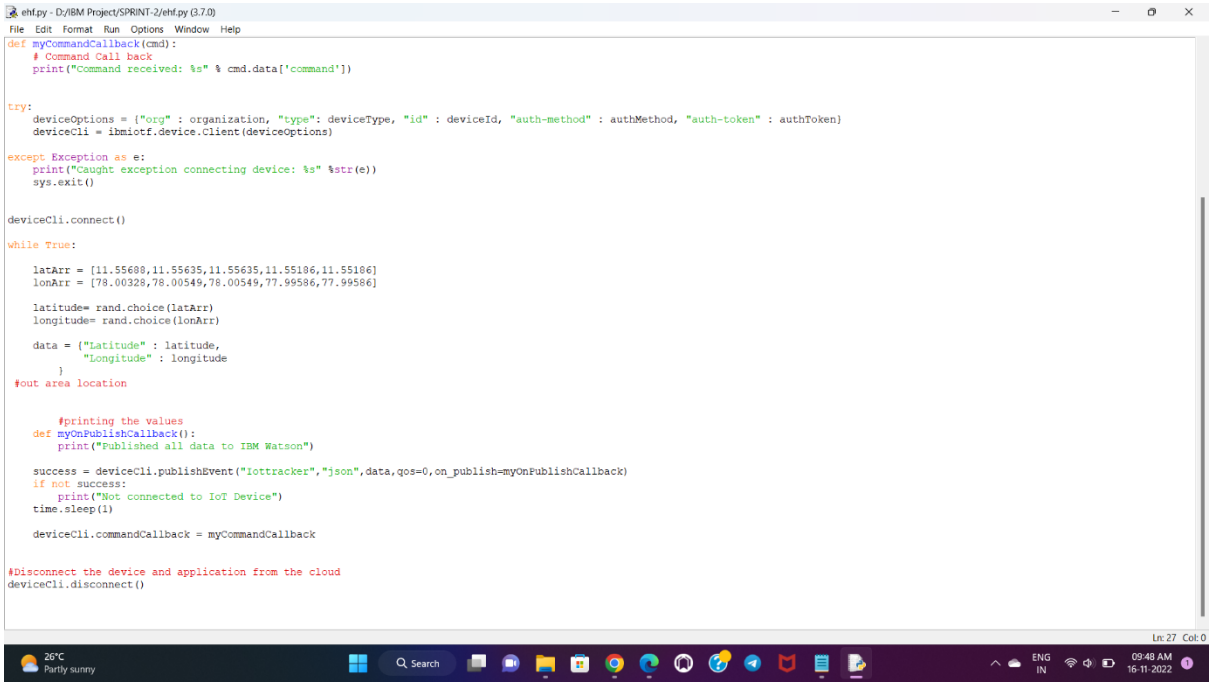
- Created the GeoFence



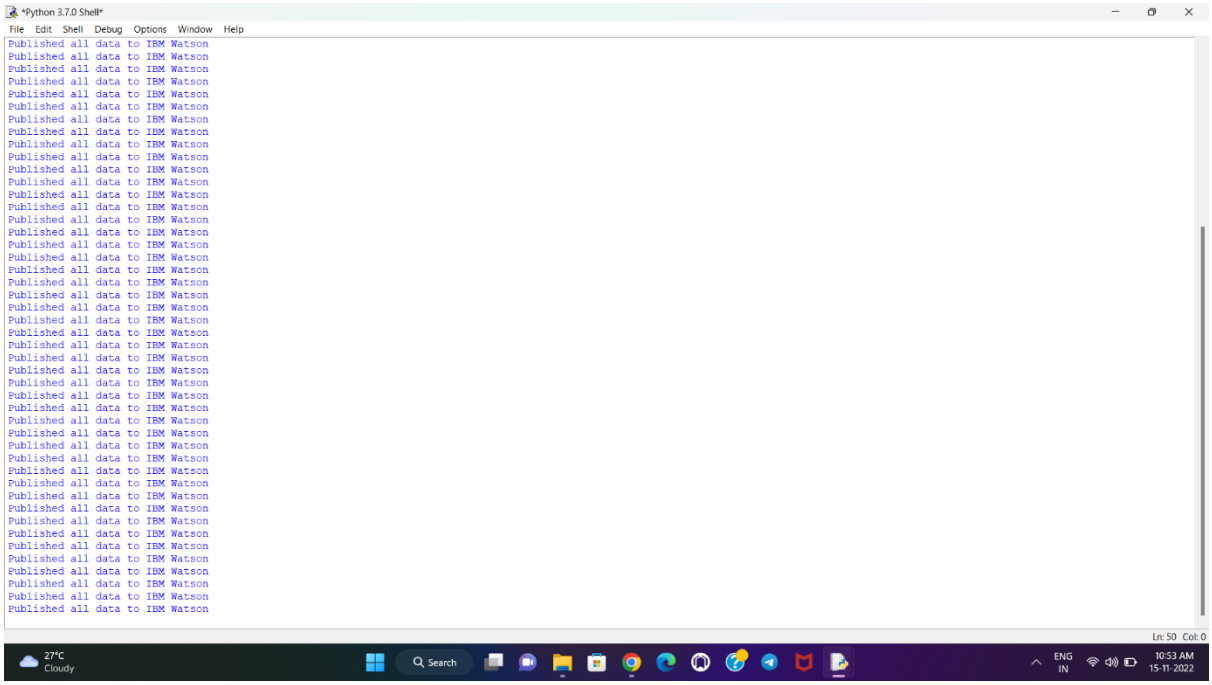
- Created a World Map



- Python script sending requests to IBMCloud

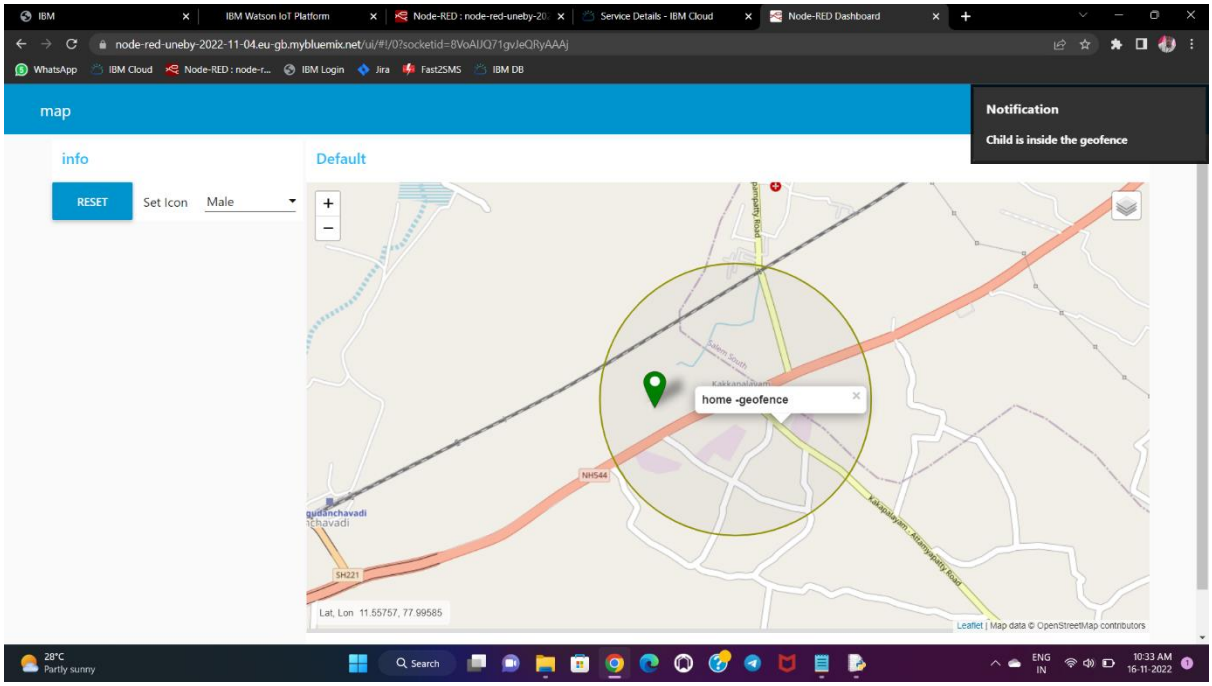


- Published all data to IBM Watson



- After running the script,the webUI shows Child is safe or not in the particular area”

Child is Inside the Geofence



Child is Outside the Geofence