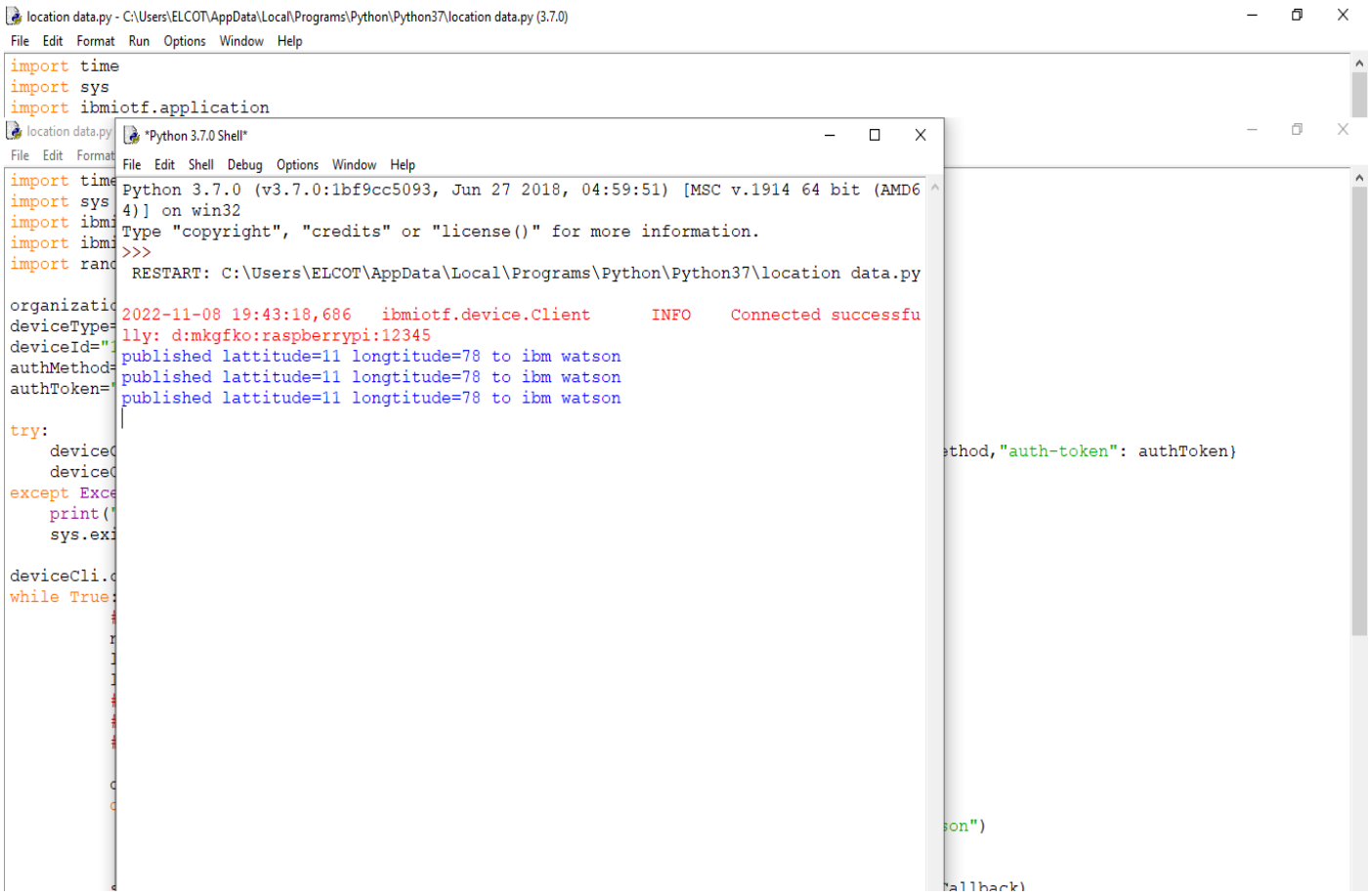
Python code for transferring latitude and longitude:

```
import time
import sys
import ibmiotf.application
import ibmiotf.device
import random
organization="mkgfko"
deviceType="raspberrypi"
deviceId="12345"
authMethod="token"
authToken="12345678"
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:
        #in data
        name="kowshik"
        #lattitude=11.229592;
        #longtitude=  78.171158;
```

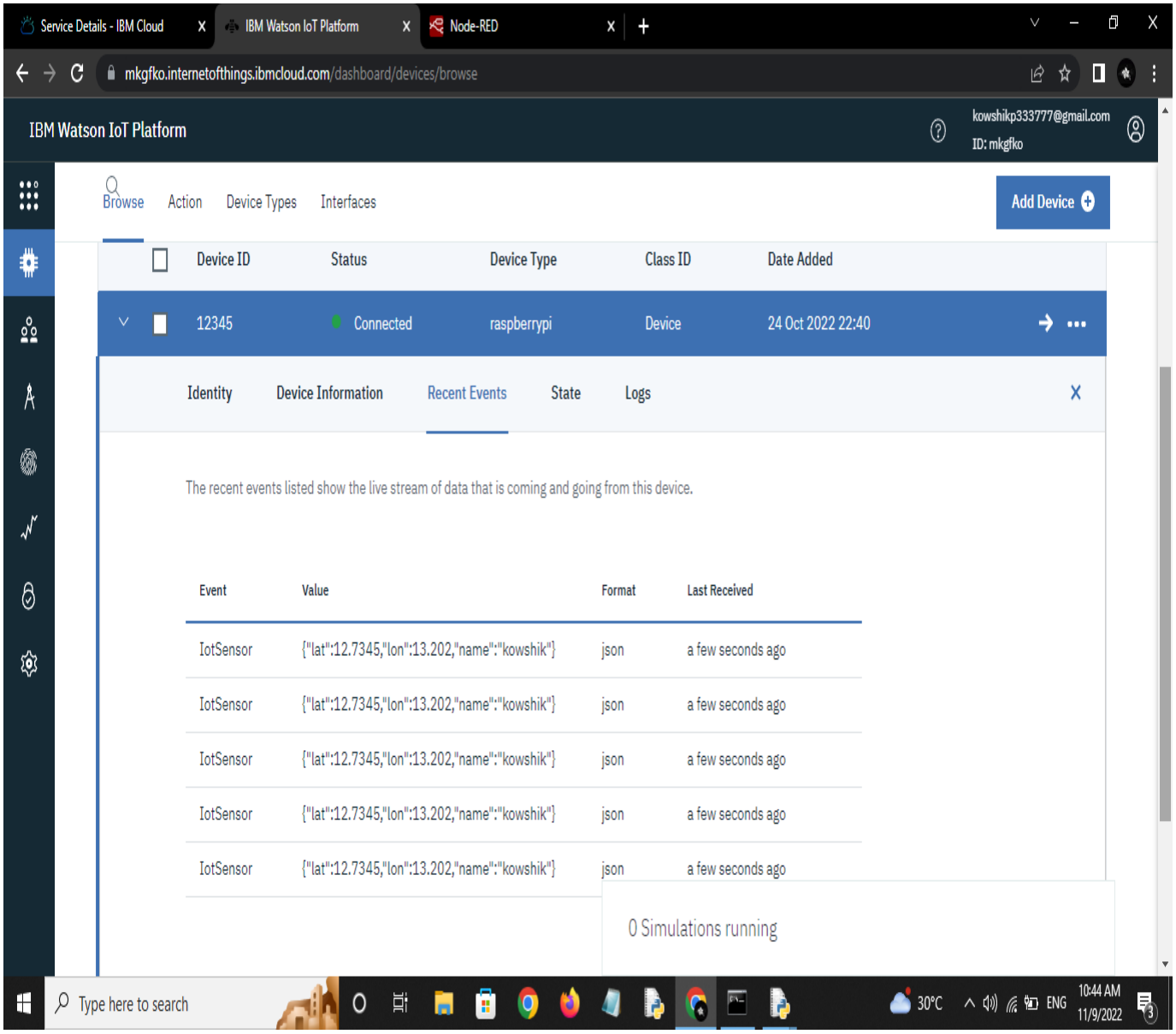
```
        #out data
        lattitude=12.7345;
        longtitude=13.2020;


        data={'lat':lattitude,'lon':longtitude,'name':name}
        def myOnPublishCallback():
          print("published lattitude=%d" %lattitude,"longtitude=%d" %longtitude,"to ibm watson")
success=deviceCli.publishEvent("IotSensor","json",data,qos=0,on_publish=myOnPublishCallback)
        if not success:
           print("Not connected to IoTF")
        time.sleep(3)
deviceCli.disconnect()
```

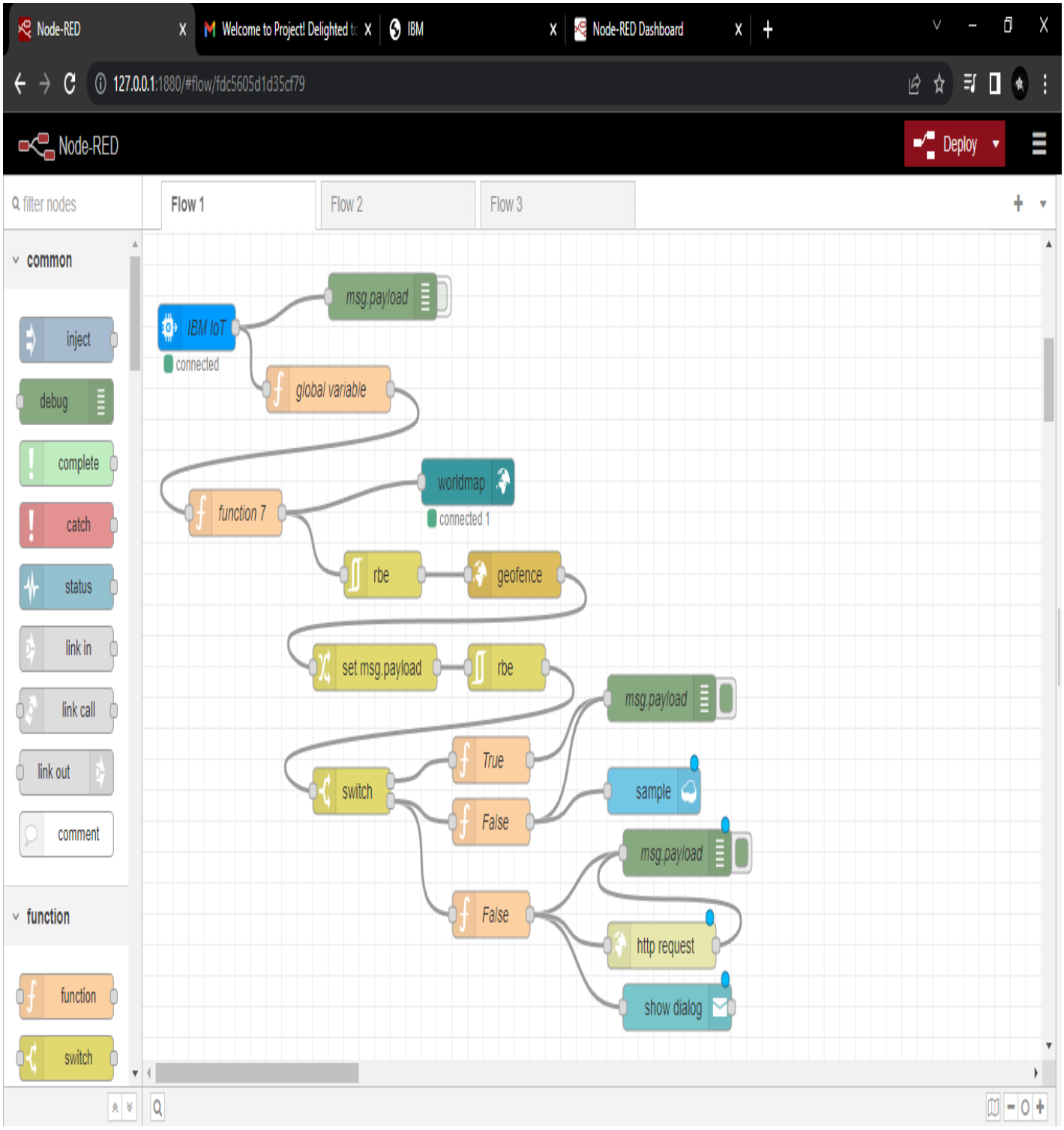
OUTPUT:



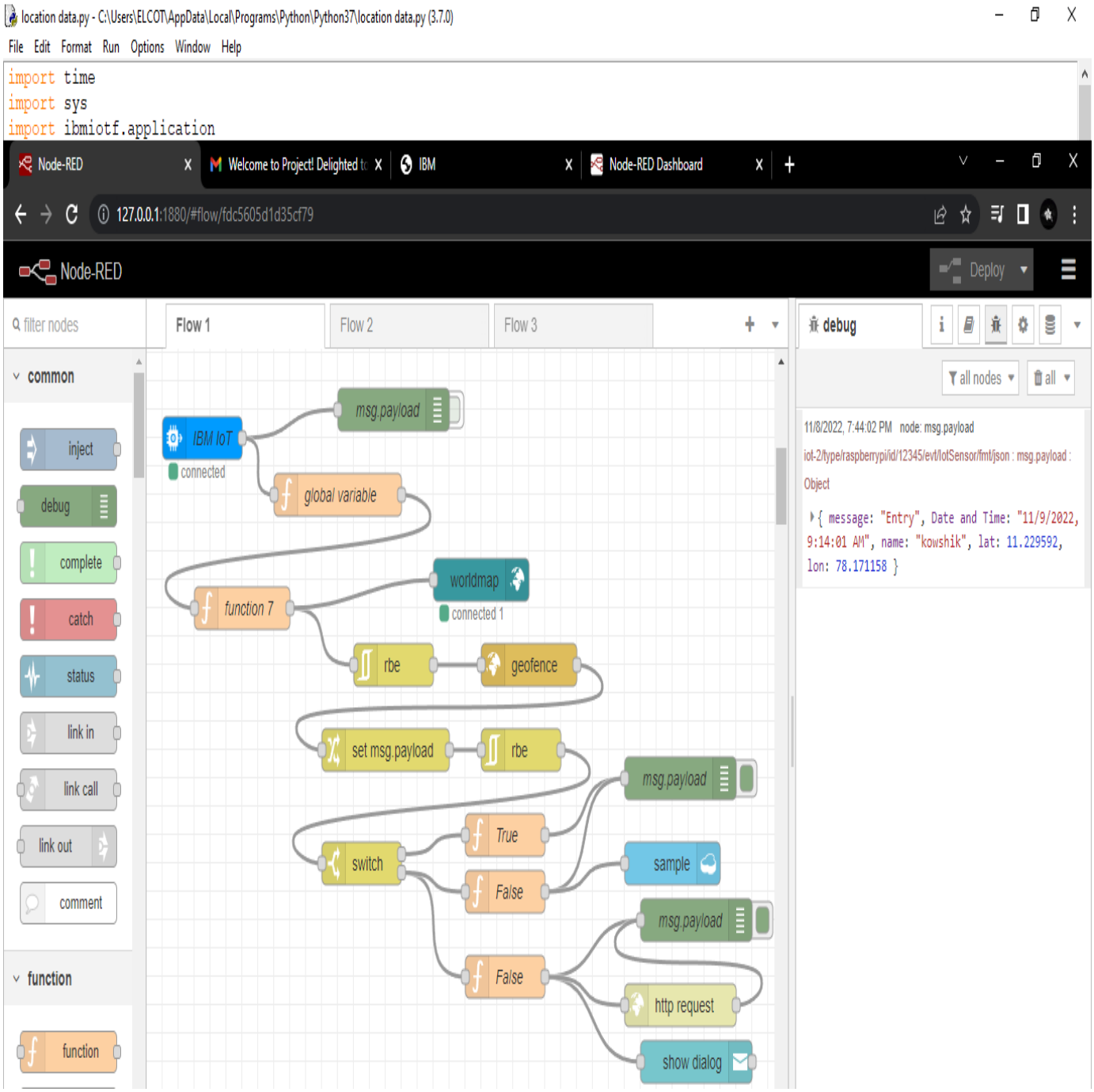
PUBLISHED DATA IN IBM WATSON IOT PLATFORM:



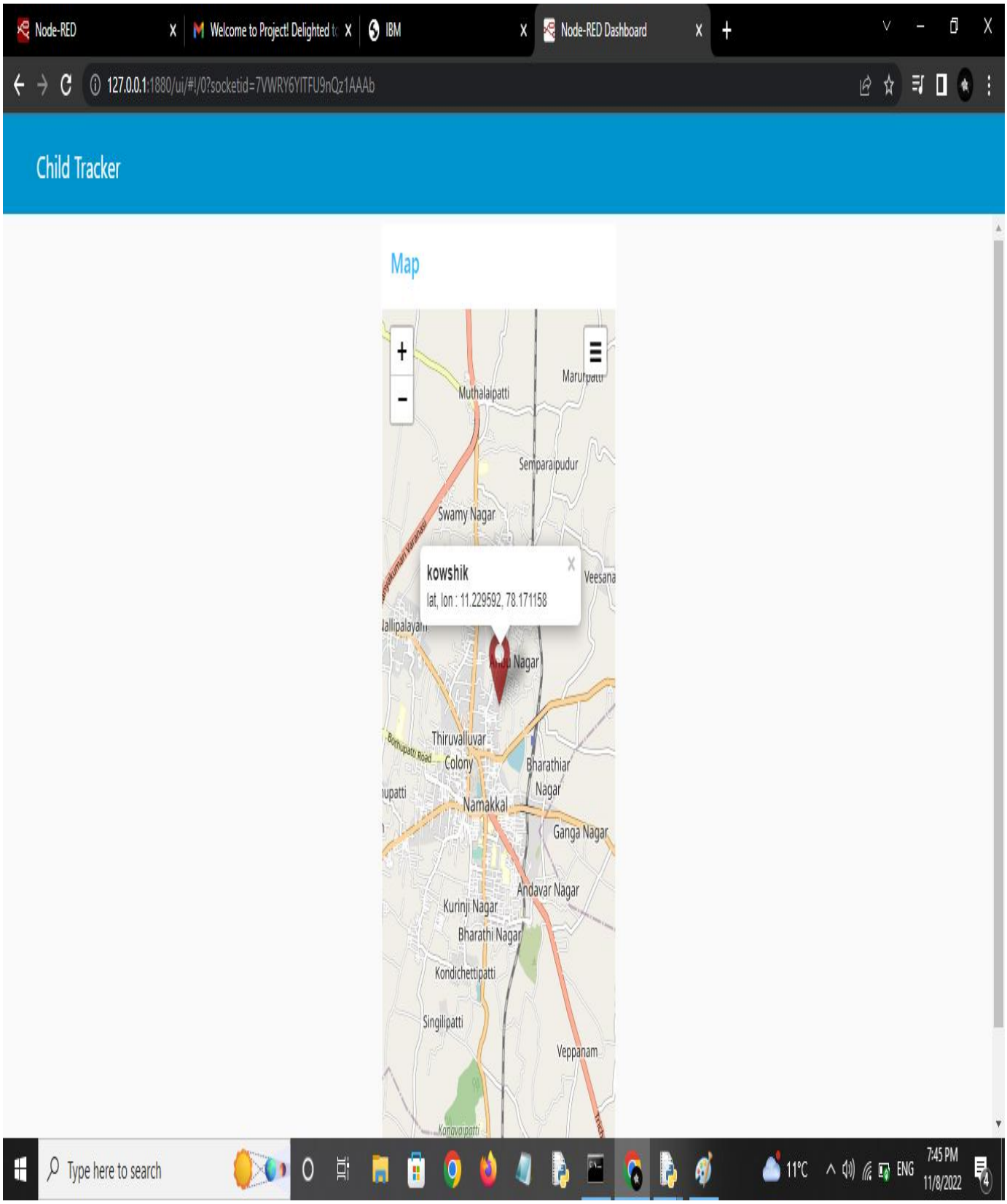
WEB APPLICATION USING NODE-RED:



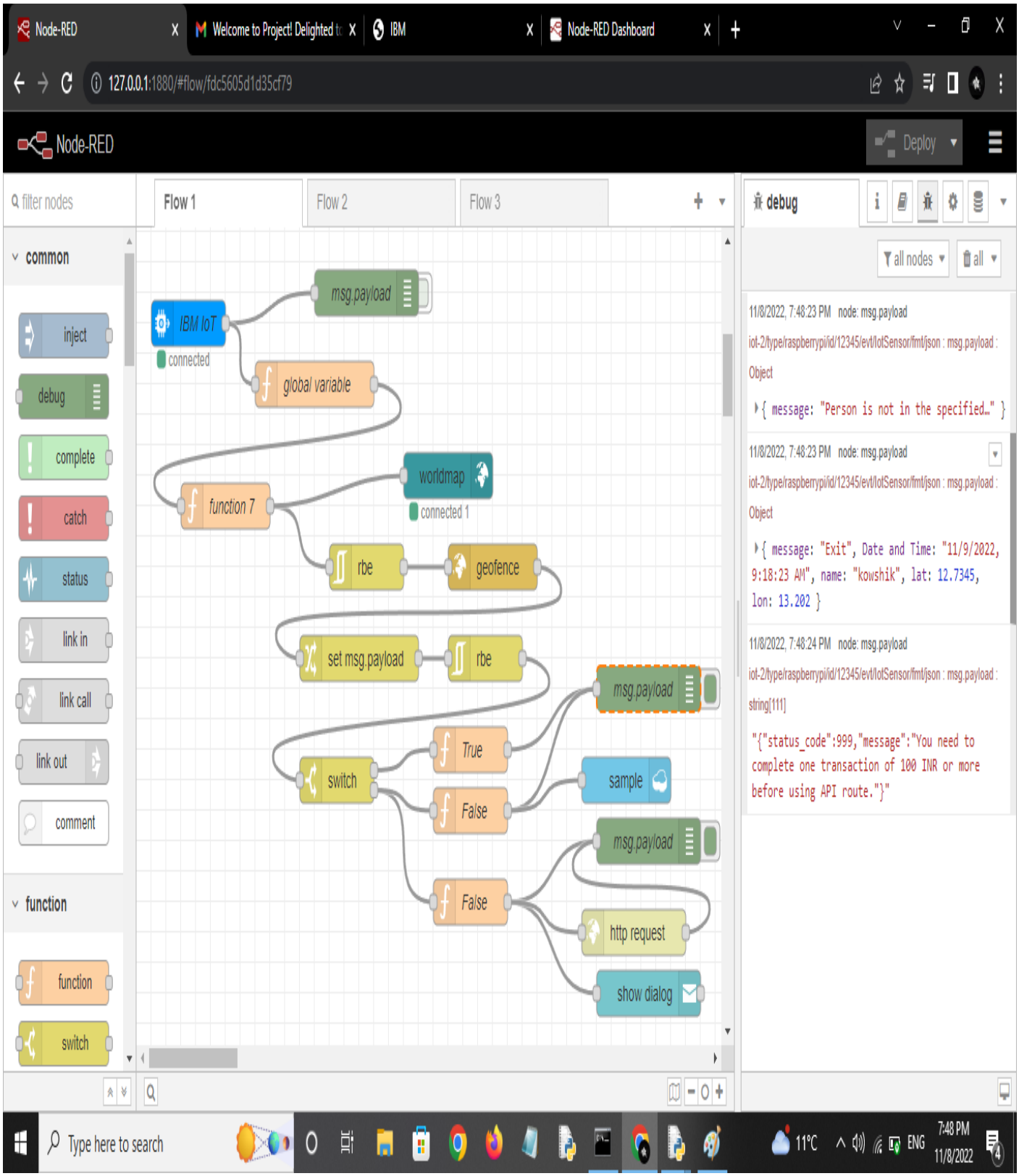
WHEN WE GIVE IN AREA LOCATION:



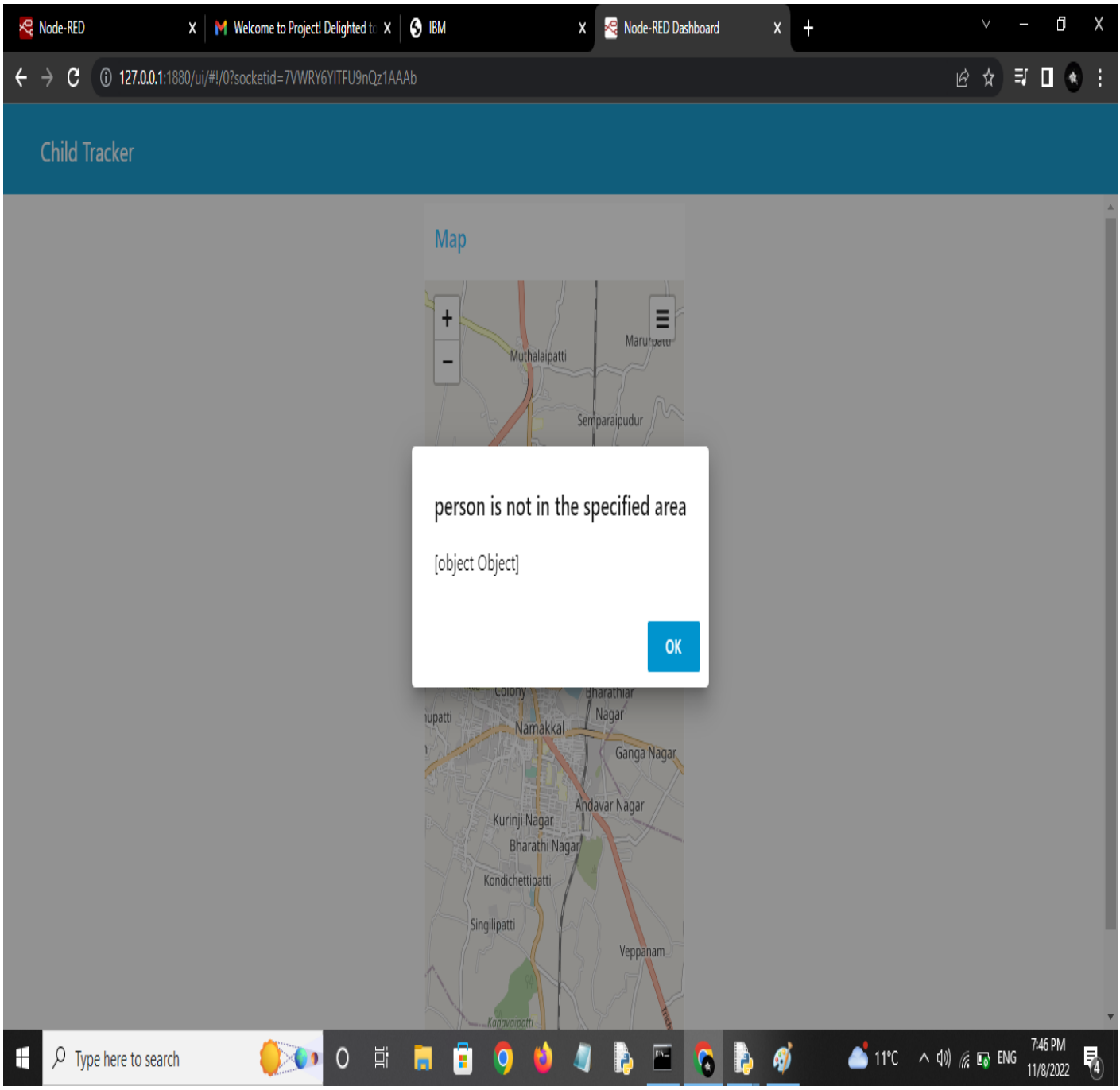
OUTPUT:


Node-RED
Welcome to Project! Delighted t
IBM
Node-RED Dashboard
127.0.0.1:1880/ui/#!/0?socketid=7VWRY6YITFU9nQz1AAAb
Child Tracker
Map
Muthalaipatti
Semparaipudur
Swamy Nagar
kowshik
lat, lon : 11.229592, 78.171158
Veesana
Thiruvalluvar
Colony
Bharathiar
Nagar
Namakkal
Ganga Nagar
Andavar Nagar
Kurinji Nagar
Bharathi Nagar
Kondichettipatti
Singilipatti
Veppanam
Type here to search
11°C
ENG
7:45 PM
11/8/2022

WHEN WE GIVE OUT AREA LOCATION:



OUTPUT:


Node-RED
Welcome to Project! Delighted to
IBM
Node-RED Dashboard
127.0.0.1:1880/ui/#!/0?socketid=7VWRY6YITFU9nQz1AAAb
Child Tracker
Map
Muthalaipatti
Semparaipudur
person is not in the specified area
[object Object]
OK
Namakkal
Ganga Nagar
Andavar Nagar
Kurinji Nagar
Bharathi Nagar
Kondichettipatti
Singilipatti
Veppanam
Type here to search
11°C
ENG
7:46 PM
11/8/2022