Sprint 2

Date	12 SEPTEMBER 2022
Team ID	PNT2022TMID41897
Project Name	Smart waste management system for metropolitan cities
Story Points	15

Develop the python code to find the GPS location using Latitude and Longitude (random values) and send it to Node red using IBM Watson platform and view location of bins on map

PYTHON CODE:

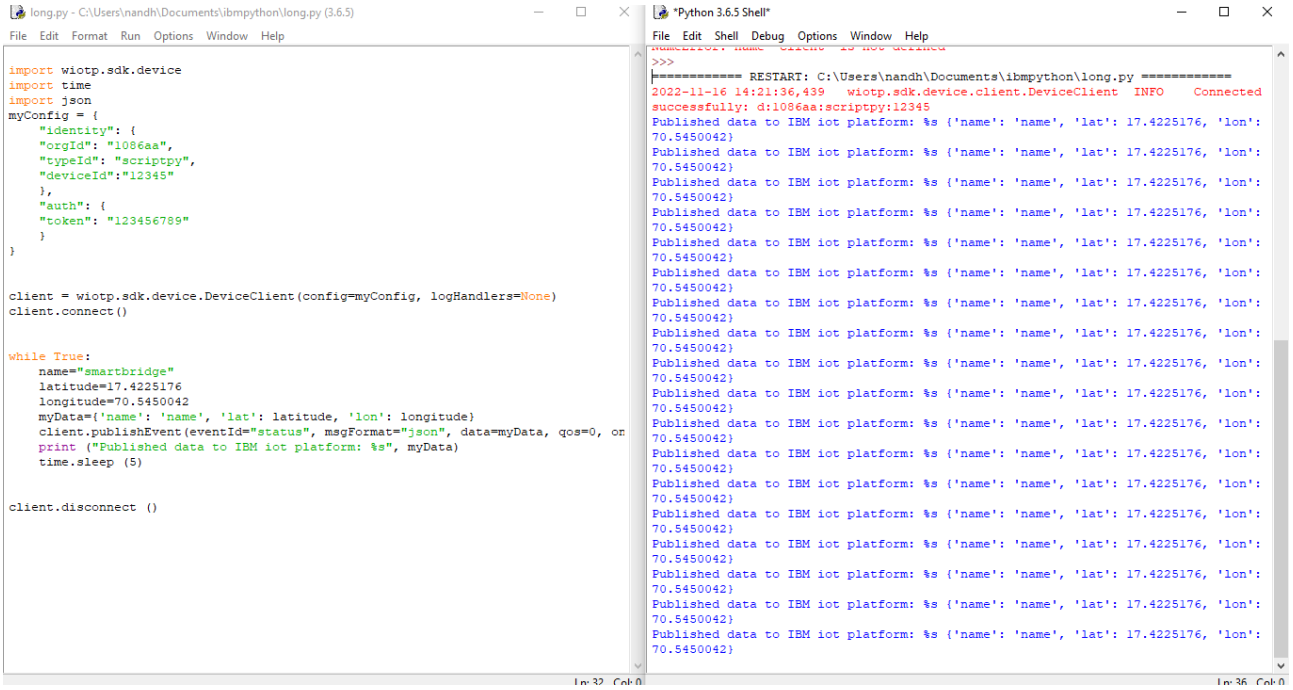
```
import wiotp.sdk.device
import time
import json
myConfig = {
 "identity": {
 "orgId": "1086aa",
 "typeId": "scriptpy",
 "deviceId":"12345"
 },
 "auth": {
 "token": "123456789"
 }
}
client = wiotp.sdk.device.DeviceClient(config=myConfig,
logHandlers=None)
client.connect()

while True:
 name="smartbridge"
 latitude=17.4225176
 longitude=70.5450042
```

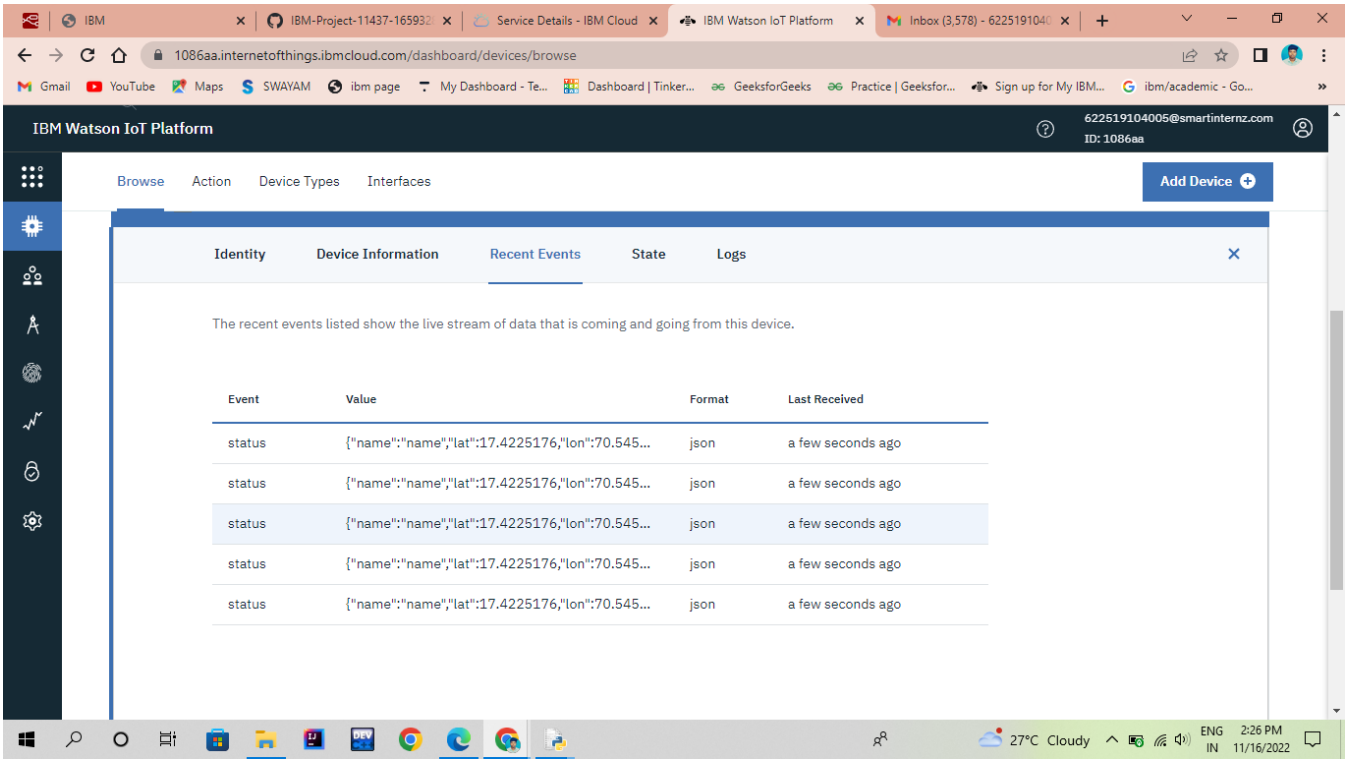
```
myData={'name': 'name', 'lat': latitude, 'lon': longitude}
client.publishEvent(eventId="status", msgFormat="json",
data=myData, qos=0, onPublish=None)
print ("Published data to IBM iot platform: %s", myData)
time.sleep (5)

client.disconnect ()
```

Output in python IDLE :



IBM Watson IOT platform :



Node Red Platform: