Sprint 2

Team ID	PNT2022TMID41127
Project Name	Smart waste management system for metropolitan cities

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
random myConfig = {
        "identity": {
                "orgId": "fzv53v",
                "typeId": "Bin",
                "deviceId":"Bin_1"
        },
        "auth": {
                "token": "1234567890"
        }
}
def myCommandCallback (cmd):
        print ("Message received from IBM IoT Platform: %s" %
        cmd.data['command']) m=cmd.data['command']

client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect() def pub (data): client.publishEvent(eventId="status",
msgFormat="json", data=myData, qos=0,
```

onPublish=None) print ("Published data

Successfully: %s", myData) while True:

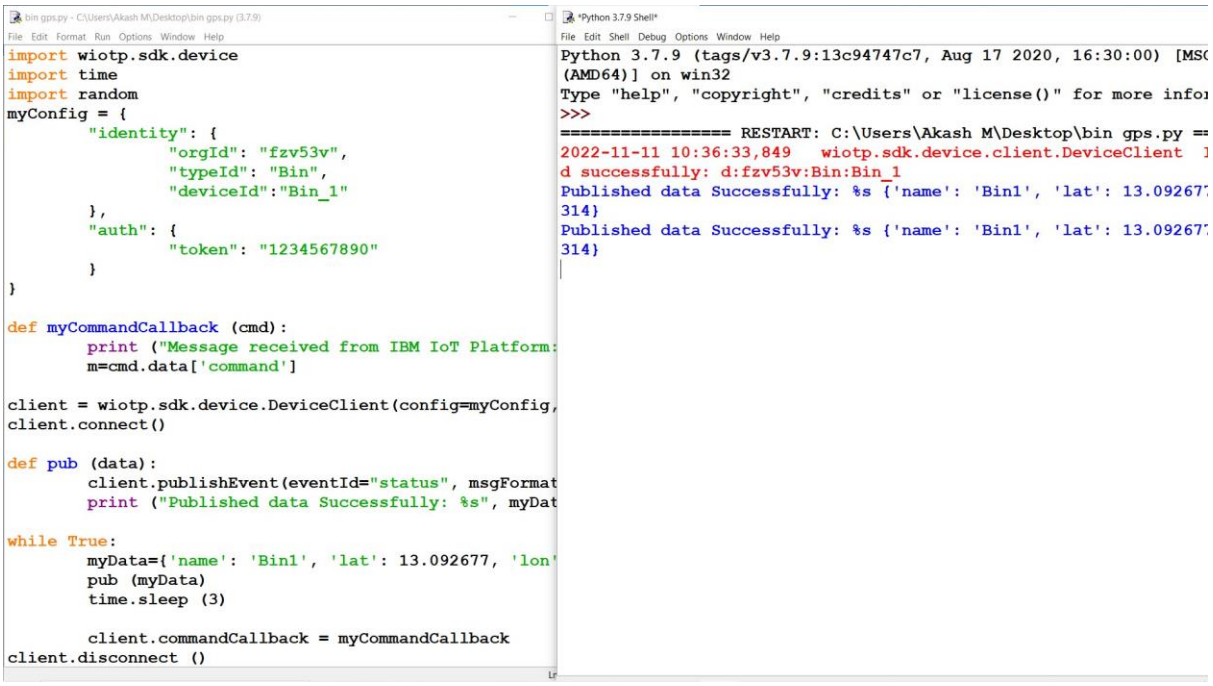
myData={'name': 'Bin1', 'lat': 13.092677, 'lon':

80.188314} pub (myData) time.sleep (3)

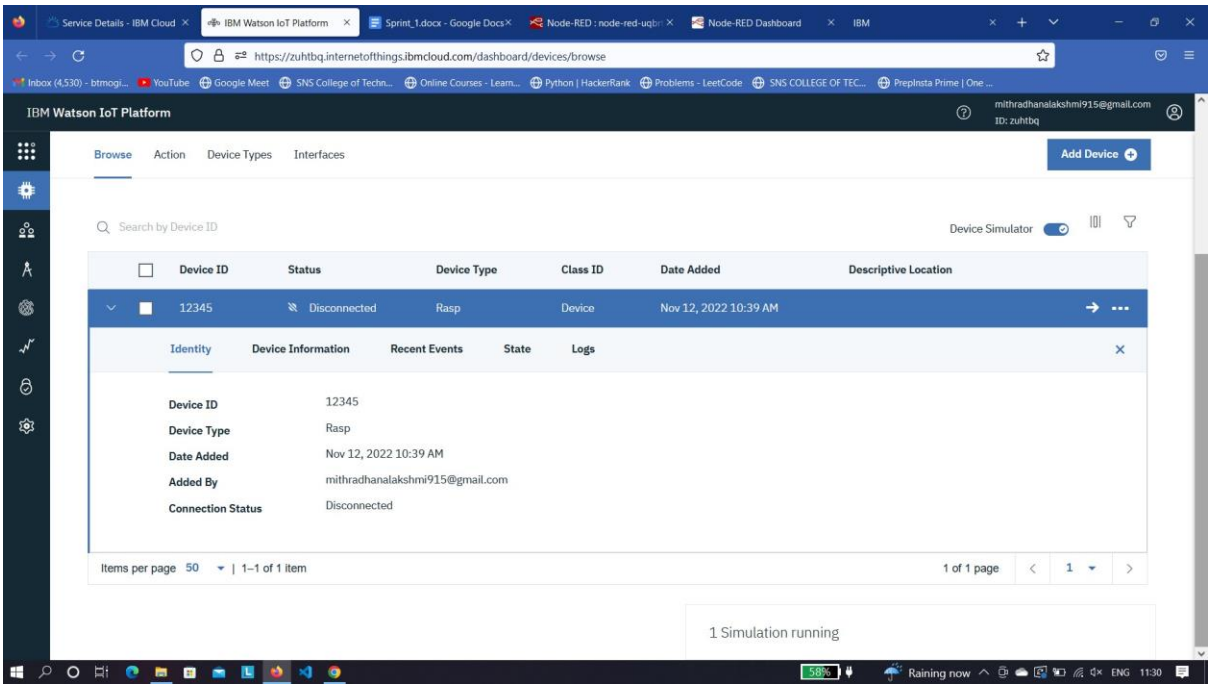
client.commandCallback = myCommandCallback

client.disconnect ()

Output in python IDLE :



IBM Watson IOT platform :



Node Red Platform :