CODING & SOLUTIONING

Date	19 November 2022
Team ID	**PNT2022TMID50056**
Project Name	IOT based Smart waste management system in metropolitan cities

Python Code:
For Distance Tracking

```python
import wiotp.sdk.device

import time

import random

myConfig = {

        "identity": {

                "orgId": " wjnzmz",

                "typeId": "Bin",

                "deviceId":"Bin_1"

        },

        "auth": {

                "token": "12345678"

        }

}

def myCommandCallback (cmd):

        print ("Message received from IBM IoT Platform: %s" % cmd.data['command'])

        m=cmd.data['command']
```

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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:

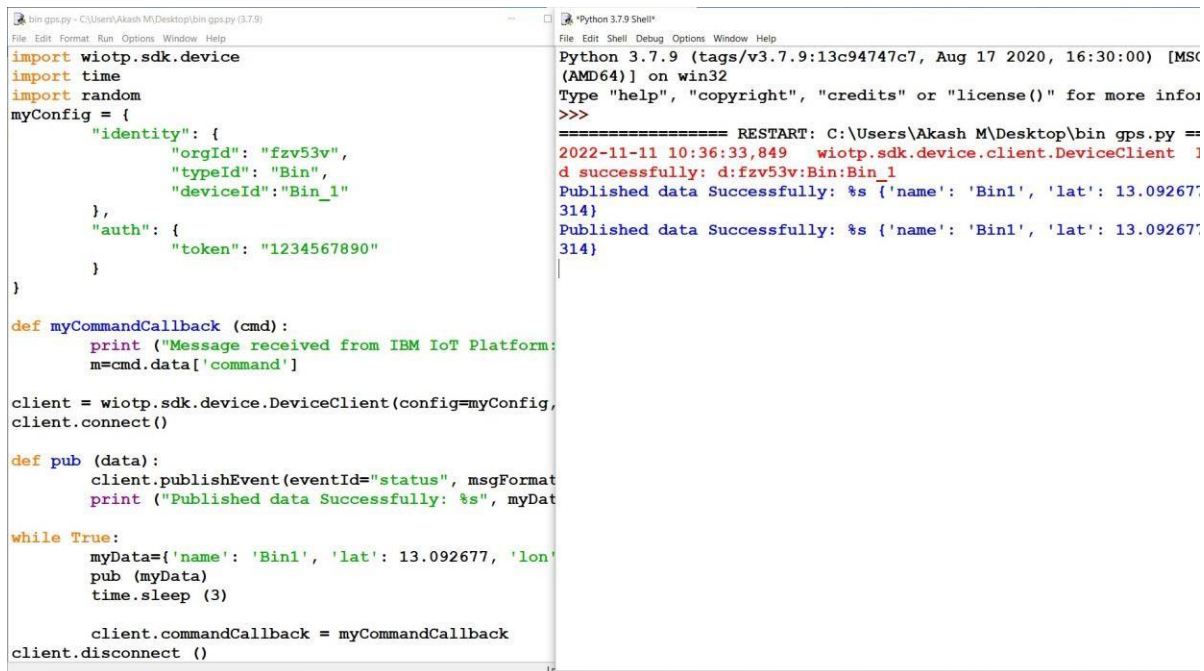   myData={'name': 'Bin1', 'lat': 13.092677, 'lon': 80.188314}

        pub (myData)

        time.sleep (3)

        client.commandCallback =

myCommandCallbackclient.disconnect ()

OUTPUT: