

DEVELOP A PYTHON SCRIPT TO PUBLISH AND SUBSCRIBE TO IBM IOT PLATFORM

Team ID	PNT2022TMID32675
Project name	SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES

PROGRAM :

```
import json
import collections
import wiotp.sdk.device
import time
myConfig = {
    "identity" : {
        "orgId" : "cri1at",
        "typeId" : "NodeMCU",
        "deviceId" : "12345"
    },
    "auth": {
        "token": "12345678"
    }
}

client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
while True:

    #dumsterLocation Thanjavur Big Temple
    latitude = 10.7828
    longitude = 79.1318
    weight=0

    #dumsterLocation SARANATHAN COLLEGE
    OF ENGINEERING
    latitude = 10.7560
    longitude = 78.6513
```

```
weight=57
```

```
#dumsterLocation Trichy central bus stand
```

```
latitude = 10.798523
```

```
longitude = 78.680381
```

```
weight=80
```

```
#dumsterLocation Thanjavur new bus stand
```

```
latitude = 10.749894
```

```
longitude = 79.112159
```

```
weight=60
```

```
myData = {'latitude':latitude,  
'longitude':longitude,'weight':weight}
```

```
client.publishEvent(eventId="status",msgFormat="json",data=myData,qos=0,onPublish=None)
```

```
print("Data published to IBM IoT platform :  
",myData)
```

```
time.sleep(20)
```

```
client.disconnect()
```