

TO DEVELOP A PYTHON SCRIPT

Date	12 SEPTEMBER 2022
Team ID	PNT2022TMID26651
Project Name	Project -Smart Waste Management System in Metropolitan Cities.
Maximum Marks	8 Marks

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}
```

PYTHON IDLE OUTPUT:

```
long.py - C:\Users\nandh\Documents\ibmpython\long.py (3.6.5)
File Edit Format Run Options Window Help

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, on
    print ("Published data to IBM iot platform: %s", myData)
    time.sleep(5)

client.disconnect ()
```