TO DEVELOP A PYTHON SCRIPT

Date	12 SEPTEMBER 2022
Team ID	PNT2022TMID38196
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": {
  "orgld": "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 ()

PYTHON IDLE OUTPUT:

```
long.py - C:\Users\nandh\Documents\ibmpython\long.py (3.6.5)
                                                                                          × Python 3.6.5 Shell*
                                                                                                                                                                                   File Edit Format Run Options Window Help
                                                                                                File Edit Shell Debug Options Window Help
import wiotp.sdk.device
                                                                                                           === RESTART: C:\Users\nandh\Documents\ibmpython\long.py =
import time
                                                                                                2022-11-16 14:21:36,439 wiotp.sdk.d
successfully: d:1086aa:scriptpy:12345
                                                                                                                             wiotp.sdk.device.client.DeviceClient
 import json
myConfig = {
                                                                                                Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
    "identity": {
"orgId": "1086aa",
"typeId": "soriptpy",
"deviceId": "12345"
                                                                                                Published data to IBM jot platform: %s {'name': 'name'. 'lat': 17.4225176. 'lon':
                                                                                                Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
                                                                                                 70.54500421
                                                                                                Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
    "token": "123456789"
                                                                                                70.54500421
                                                                                                Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
                                                                                                70.5450042}
                                                                                                Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
                                                                                                70.5450042}
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
                                                                                                Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
client.connect()
                                                                                                Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
while True:
                                                                                                Published data to IBM iot platform: %s {'name': 'name'. 'lat': 17.4225176. 'lon':
    latitude=17.4225176
                                                                                                Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
    longitude=70.5450042
myData={'name': 'name
                                                                                                 70.5450042)
    rengiated 'name': 'name', 'lat': latitude, 'lon': longitude} client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, on print ("Published data to IBM lot platform: %s", myData)
                                                                                                Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
                                                                                                70.54500421
                                                                                                Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
    time.sleep (5)
                                                                                                70.5450042}
                                                                                                Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
                                                                                                70.5450042}
client.disconnect ()
                                                                                                Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
                                                                                                Published data to IBM iot platform: %s {'name': 'name'. 'lat': 17.4225176. 'lon':
                                                                                                Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
                                                                                                Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
                                                                                                70.54500421
                                                                                                Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
                                                                                                70.5450042}
                                                                                    Lou 22 Coli O
                                                                                                                                                                                     Louise Colun
```