TO DEVELOP A PYTHON SCRIPT

Date	12 SEPTEMBER 2022
Team ID	PNT2022TMID41897
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
                                                                                                                      wiotp.sdk.device.client.DeviceClient INFO
import json
                                                                                           successfully: d:1086aa:scriptpy:12345
myConfig = {
                                                                                            Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
    "identity": {
"orgId": "1086aa",
"typeId": "scriptpy",
                                                                                            0.5450042}
                                                                                           Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
    "deviceId":"12345"
                                                                                           Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
     "auth": {
                                                                                           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 54500423
                                                                                           Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
                                                                                            70.54500421
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
                                                                                           Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
client.connect()
                                                                                            70.5450042}
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                                                                                            0.5450042}
while True:
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    latitude=17.4225176
                                                                                           Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
    longitude=70.5450042
                                                                                            70.5450042}
    myData={'name': 'name', 'lat': latitude, 'lon': longitude}
                                                                                           Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, on
print ("Published data to IBM iot platform: %s", myData)
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    time.sleep (5)
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client.disconnect ()
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                                                                                           Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
                                                                                           70.54500421
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```