TO DEVELOP A PYTHON SCRIPT

| Date | 12 SEPTEMBER 2022 |
|---------------|---|
| Team ID | PNT2022TMID26648 |
| 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:

```
□ × Python 3.6.5 Shell*
long.pv - C:\Users\nandh\Documents\ibmpython\long.pv (3.6.5)
                                                                                                                                                                         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.device.client.DeviceClient
import json
                                                                                          successfully: d:1086aa:scriptpy:12345
                                                                                          Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
    "identity": {
    "orgId": "1086aa",
"typeId": "scriptpy",
                                                                                          70.5450042}
                                                                                          Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
                                                                                          70.5450042}
    "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"
                                                                                          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':
                                                                                          70.54500421
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}
                                                                                          Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
                                                                                          70.5450042}
while True:
                                                                                          Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
                                                                                           70.5450042}
    latitude=17.4225176
                                                                                          Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
    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", print ("Published data to IBM iot platform: %s", myData)
                                                           n", data=myData, qos=0, on
                                                                                          70.5450042}
                                                                                          Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
    time.sleep (5)
                                                                                          70.54500421
                                                                                          Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
                                                                                          70.54500421
client.disconnect ()
                                                                                          Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
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                                                                                          Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
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                                                                                          Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon':
                                                                                          70.5450042}
                                                                               Ln: 32 Col: 0
                                                                                                                                                                         In: 36 Col: 0
```