DEVELOP A PYTHON SCRIPT

Date	18 October 2022
Team ID	PNT2022TMID05038
Project Name	SmartFarmer - IoT Enabled Smart Farming Application
Maximum Marks	4 Marks

PROGRAM :

```
import wiotp.sdk.device import
time import os import datetime
import random myConfig = {
"identity": {
"orgId": "6jw3v9
", "typeId": "pranav151",
"deviceId": "100100C40A24"
},
"auth": {
"token": "y6ig9_h-2ZN*c61bhB"
} }
client = wiotp.sdk.device.DeviceClient (config=myConfig,
logHandlers=None) client.connect () def myCommandCallback
(cmd) :
print ("Message received from IBM IoT Platform: %s" %
cmd.data['command']) m=cmd.data['command'] if
(m=="motoron"):
print ("Motor is switched on") elif
(m=="motoroff"):
print ("Motor is switched OFF") print
(" ") while
True:
soil=random.ra
ndint     (0,100)
temp=random.r
andint        (-20,
125)

hum=random.
```

```python
andint (0, 100)
myData={'soil
moisture': soil,
'temperature':te
mp,
'humidity':hum
 }
 client.publishE
 vent
 (eventId="statu
 s",
 msgFormat="js
 on",
 data=myData, qos=0 , onPublish=None) print ("Published
 data Successfully: %s", myData) time.sleep (2)
 client.commandCallback    =    myCommandCallback
 client.disconnect ()
```