

## DEVELOP A PYTHON SCRIPT TO PUBLISH AND SUBSCRIBE TO IBM IOT PLATFORM

### PROGRAM :

```
import wiotp.sdk.device
import time
import os
import datetime
import random
myConfig = {
    "identity": {
        "orgId": "ytk599",
        "typeId": "abcd",
        "deviceId": "12"
    },
    "auth": {
        "token": "12345678"
    }
}
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.randint (0,100)
    temp=random.randint (-20,
125)
    hum=random.randint (0, 100)
    myData={'soil
moisture': soil,
'temperature':temp,
'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 ()
```