

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

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Project Name	SMART FARMER - IOT ENABLED SMART FARMING APPLICATION SYSTEM

CODE

```
import
from wiotp.sdk.device
import time
import os
import datetime
import random
myConfig = {
    "identity": {
        "orgId": "m5ttid" ,
        "typeId": "Device1" ,
        "deviceId": "12345"
    },
    "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.publishEvent (eventId= "status" , msgFormat= "json" ,
data=myData, qos=0 , onPublish=None) print
("Published data Successfully: %s" ,
myData)time.sleep (2)
client.commandCallback =
myCommandCallbackclient.disconnect ()

```