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\par
\b \fs32 Team id : PNT2022TMID51325 \par
Project name : Smart farmer iot app \par
Code : \b0 \fs24 \par
import wiotp.sdk.device \par
import time \par
import random \par
myConfig = \{ \par
"identity": \{ \par
"orgId": "m5ttid", \par
"typeId": "k3", \par
"deviceId": "123456" \par
\par
\}, \par
"auth": \{ \par
"token": "12345678" \par
\} \par
\} \par
client = wiotp.sdk.device.DeviceClient (config=myConfig, \par
logHandlers=None) \par
client.connect () \par
def myCommandCallback (cmd) : \par
    print ("Message received from IBM IoT Platform: %s" % \par
    cmd.data['command']) \par
    m=cmd.data['command'] \par
    if (m=="motoron") : \par
        print ("Motor is switched on") \par
    elif (m=="motoroff") : \par
        print ("Motor is switched OFF") \par
    print (" ") \par
while True : \par
    moist=random.randint (0,100) \par
    temp=random.randint (-20, 125) \par
    hum=random.randint (0, 100) \par
    myData=\{'soilmoisture':moist, 'temperature':temp, 'humidity':hum\} \par
    client.publishEvent (eventId="status", msgFormat="json", \par
    data=myData, qos=0 , onPublish=None) \par
    print ("Published data Successfully: %s", myData) \par
    time.sleep (2) \par
    client.commandCallback = myCommandCallback \par
client.disconnect() \par

```