DEVELOP A PYTHON SCRIPT TO PUBLISH ANDSUBSRIBE TO IBM IOT PLATFORM

Team ID	PNT2022TMID12850
Project Name	SMARTFARMER – IoT ENABLED SMARTFARMING APPLICATION

PROGRAM :

```
import wiotp.sdk.device

import time

import os

import datetime

import random

myConfig = {

"identity": {

},

"auth": {

}
```

```python
}
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:
```

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```python
"orgId": "1yc3ld",
"typeId": "SSPR",
"deviceId": "12345"
"token": "12345678"
soil=random.randint (0,100)
temp=random.randint (-20, 125)
```

```python
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 = myCommandCallback

client.disconnect ()
```