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

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Project Name	SMARTFARMER – IOT ENABLED SMARTFARMING APPLICATION

PROGRAM :

```
import
wiotp.sdk.device
import time
import os
import
datetime
import
random
myConfig
= {
"identity"
: {
"orgId": "m5ttid",
"typeId":
"Devicel",
"deviceId":
"12345"
},
"auth": {
"token": "12345678"
}
}
client = wiotp.sdk.device.DeviceClient
(config=myConfig, logHandlers=None)
client.connect ()

def myCommandCallback (cmd) :
```

```python
print ("Message received from IBM IoT Platform:
%s" % cmd.data['command'])
m=cmd.data['com
mand'] 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 =
myCommandCallback client.disconnect ()
```