# DEVELOPAPYTHONSCRIPTTOPUBLISHANDSUBSRIBE TO IBM IOT PLATFORM

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| **TITLE** | **Smart Farmer-IOT Enabled Smart Farming Application** |
| **DOMAIN NAME** | INTERNET OF THINGS |
| **TEAM ID** | PNT2022TMID30465 |
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## PROGRAM:

```python
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) :
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.ra
ndint (0,100)
temp=random.r
andint      (-20,
125)
hum=random.r
andint (0, 100)
myData={'soil
moisture': soil,
'temperature':te
mp,
'humidity':hum
}
client.publishE
vent
```

```python
(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 ()
```