

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

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Project Name	SMART FARMER – IoT ENABLED SMARTFARMING APPLICATION

Program:

```
import 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 ()
```

