Develop A Python Script to Publish and Subscribe To IBM IoT Platform

Task: Develop A Python Script to Publish and Subscribe to IBM IoT Platform

Program:

```python
import wiotp.sdk.device
import time
import os import
datetime import
random
myConfig = {
    "identity": {
        "orgId": "hjSfmy",
        "typeId": "Devicelk",
        "deviceId": "67890"
    },
    "auth": {
        "token": "87654321"
    }
}
```

```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: 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 ()
```