DEVELOP A PYTHONSCRIPTTO PUBLISHAND SUBSRIBETO IBMIOT PLATFORM

Date	18 November 2022
Team ID	PNT2022TMID04753
Project Name	SMART FARMER – IoT ENABLED SMARTFARMING APPLICATION

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['comman d']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)
```

```python
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 ()
```