Develop A Python Script To Publish And Subscribe To IBM IoT Platform

Date	15.11.2022
Team ID	PNT2022TMID46489
Project Name	SMART FARMER - IOT ENABLED SMART FARMING APPLICATION SYSTEM
Maximum Marks	2 Marks

CODE:

```
import wiotp.sdk.device

import time import os

import datetime import

random

myConfig = { "identity": {"orgId": "m5ttid","typeId": "DeviceI", "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="js on",data=myData, qos=0 , onPublish=None)

print ("Published data Successfully: %s", myData)

time.sleep (2)

client.commandCallback = myCommandCallbackclient.disconnect ()