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

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| Date | 7.11.2022 |
| Team ID | PNT2022TMID16797 |
| 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": "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.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 ()

