

Task – Develop a Python Script

```
import wiotp.sdk.device

import time

import os

import datetime

import random

myConfig = {

    "identity": {

        "orgId": "hjSfmy",

        "typeId": "DeviceIk",

        "deviceId": "67890"

    },

    "auth": {

        "token": "87654321"

    }

}

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 ()
```