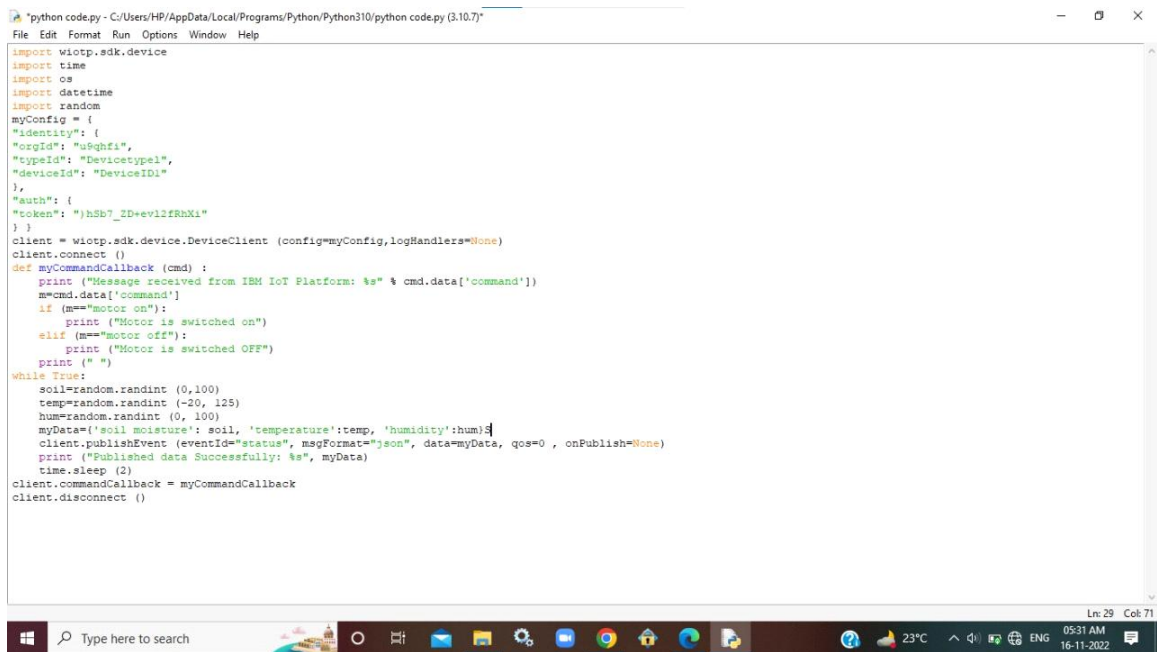


PYTHON SCRIPT

Assignment date	16th November 2022
Team ID	PNT2022TMID33827
Project Name	Smart Farmer-IOT Enabled SmartFarming
Maximum Marks	2 Marks



```
import wiotp.sdk.device
import time
import os
import datetime
import random

myConfig = {
    "identity": {
        "orgId": "a9qbf1",
        "typeId": "Devicetype1",
        "deviceId": "DeviceID1"
    },
    "auth": {
        "token": "h5b7_2D=ev1fRhX1"
    }
}

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=="motor on"):
        print ("Motor is switched on")
    elif (m=="motor off"):
        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 ()
```