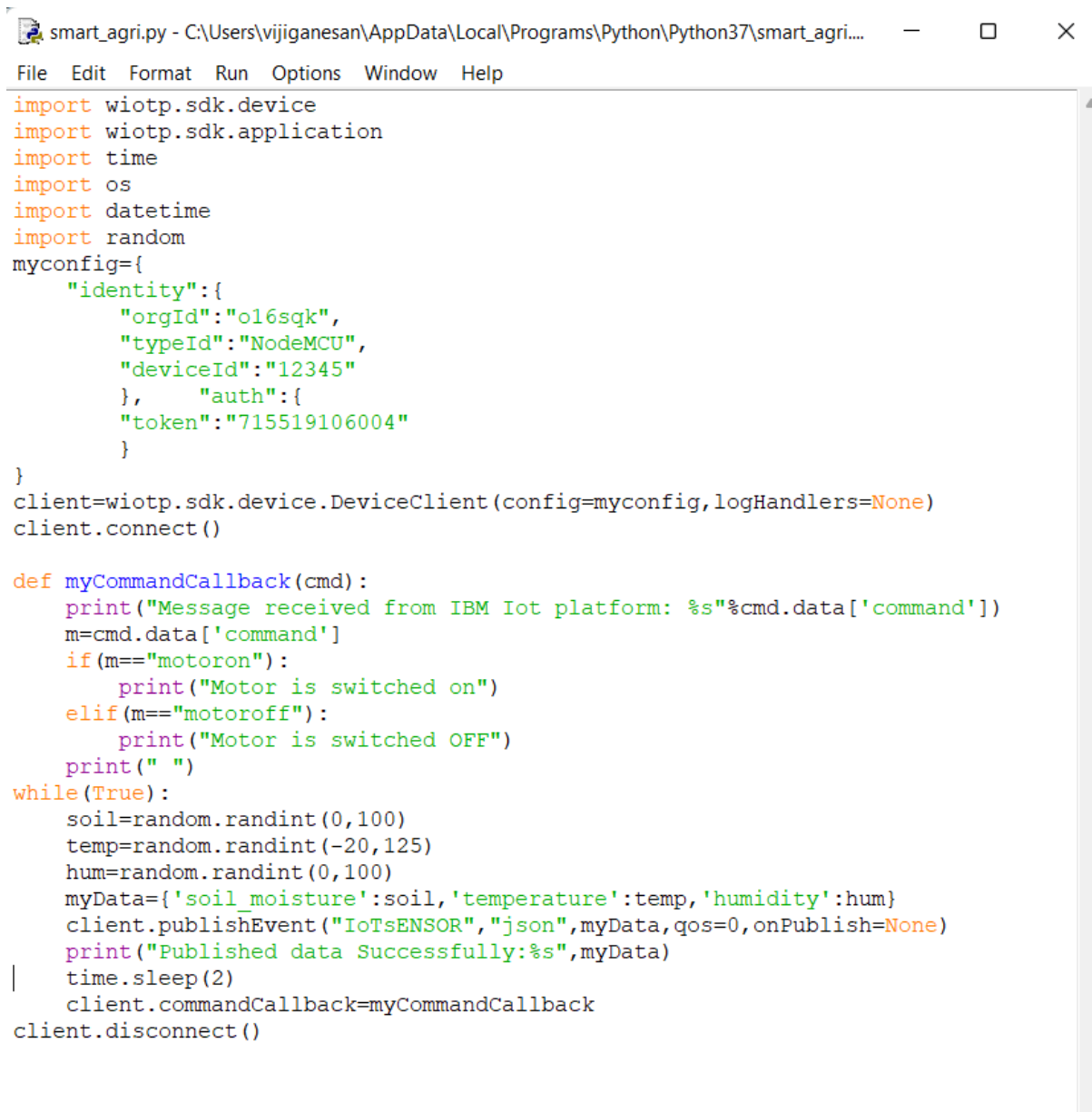


Develop A Python Script to Publish And Subscribe To IBM IoT Platform

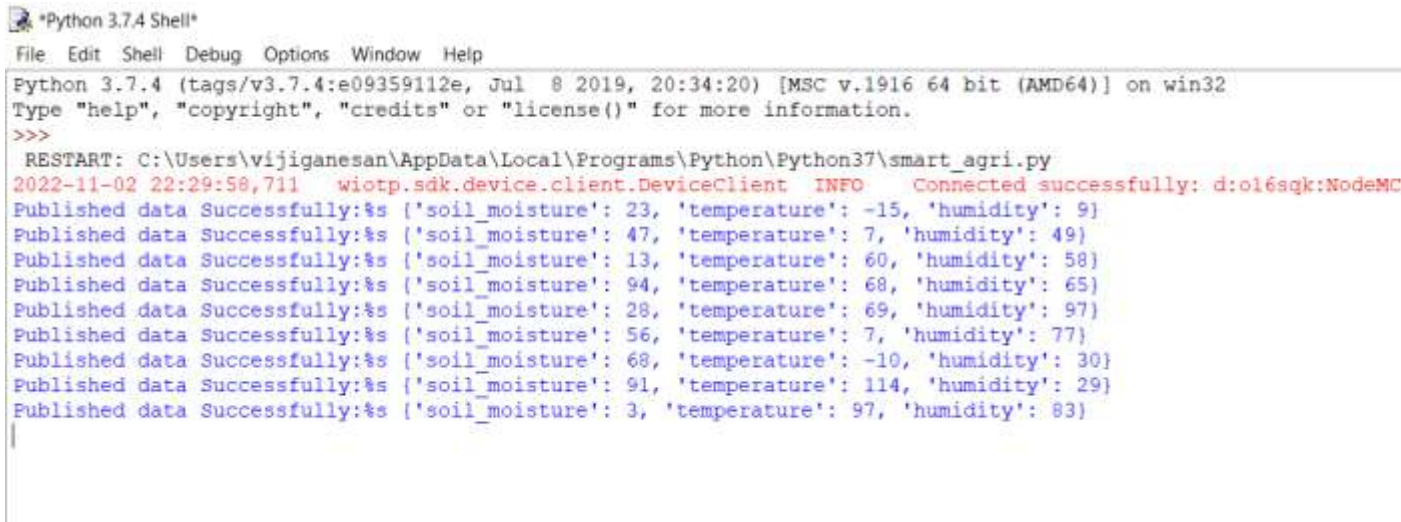
Team ID	PNT2022TMID43384
Project Name	Smart Farmer- IoT Enabled Smart Farming Application



```
smart_agri.py - C:\Users\vijiganesan\AppData\Local\Programs\Python\Python37\smart_agri...
File Edit Format Run Options Window Help

import wiotp.sdk.device
import wiotp.sdk.application
import time
import os
import datetime
import random
myconfig={
    "identity":{
        "orgId":"o16sqk",
        "typeId":"NodeMCU",
        "deviceId":"12345"
    },    "auth":{
        "token":"715519106004"
    }
}
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("IoTsENSOR","json",myData,qos=0,onPublish=None)
    print("Published data Successfully:%s",myData)
    time.sleep(2)
    client.commandCallback=myCommandCallback
client.disconnect()
```

[illegible]