PYTHON SCRIPT TO PUBLISH DATA TO IBM CLOUD

Date	10 November 2022
Team ID	PNT2022TMID42279
Project Name	**Project**-Smart Waste Management System in Metropolitan Cities.
Maximum Marks	8 Marks

PYTHON CODE:

```
#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "udgvx5",
        "typeId": "Python",
        "deviceId":"Test1"
    },
    "auth": {
        "token": "IBM_TEAM@123"
    }
}
def myCommandCallback(cmd):
    print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
    m=cmd.data['command']

client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()

while True:
    temp=random.randint(-20,125)
    hum=random.randint(0,100)
```

myData={'temperature':temp, 'humidity':hum}

client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None)

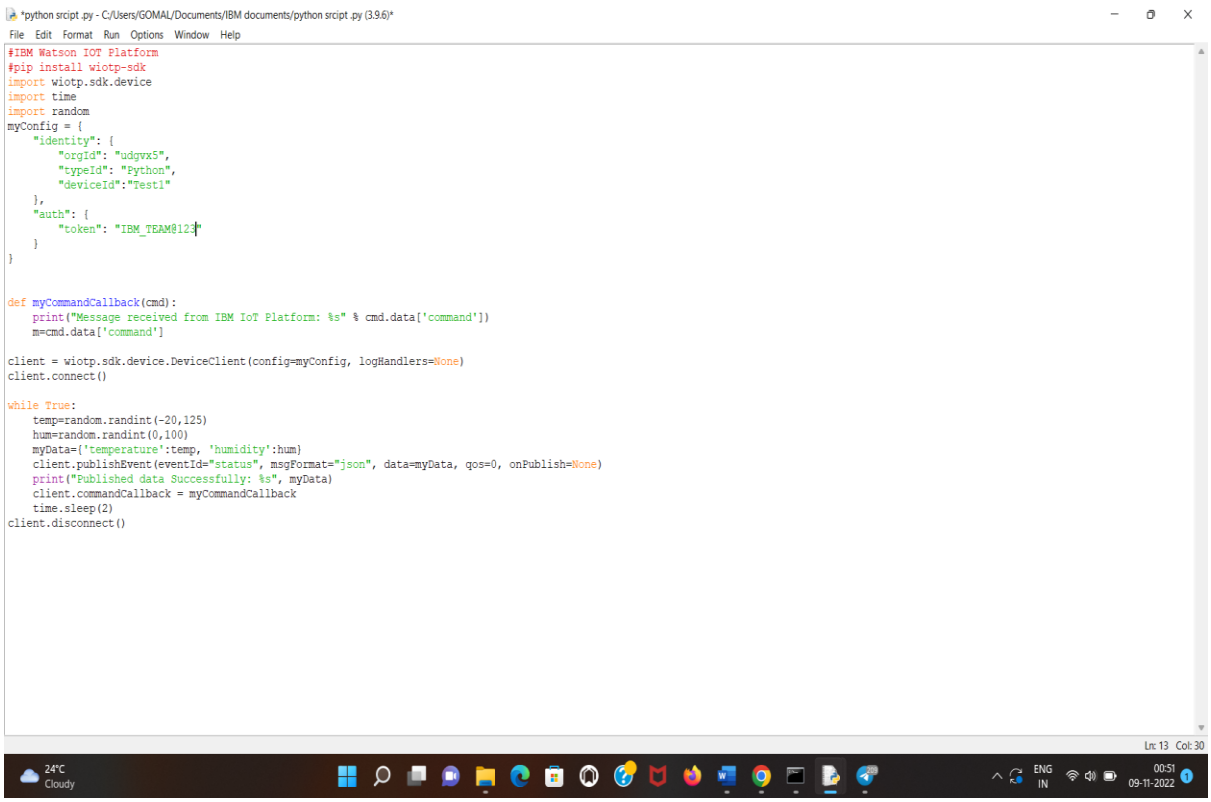
print("Published data Successfully: %s", myData)

client.commandCallback = myCommandCallback

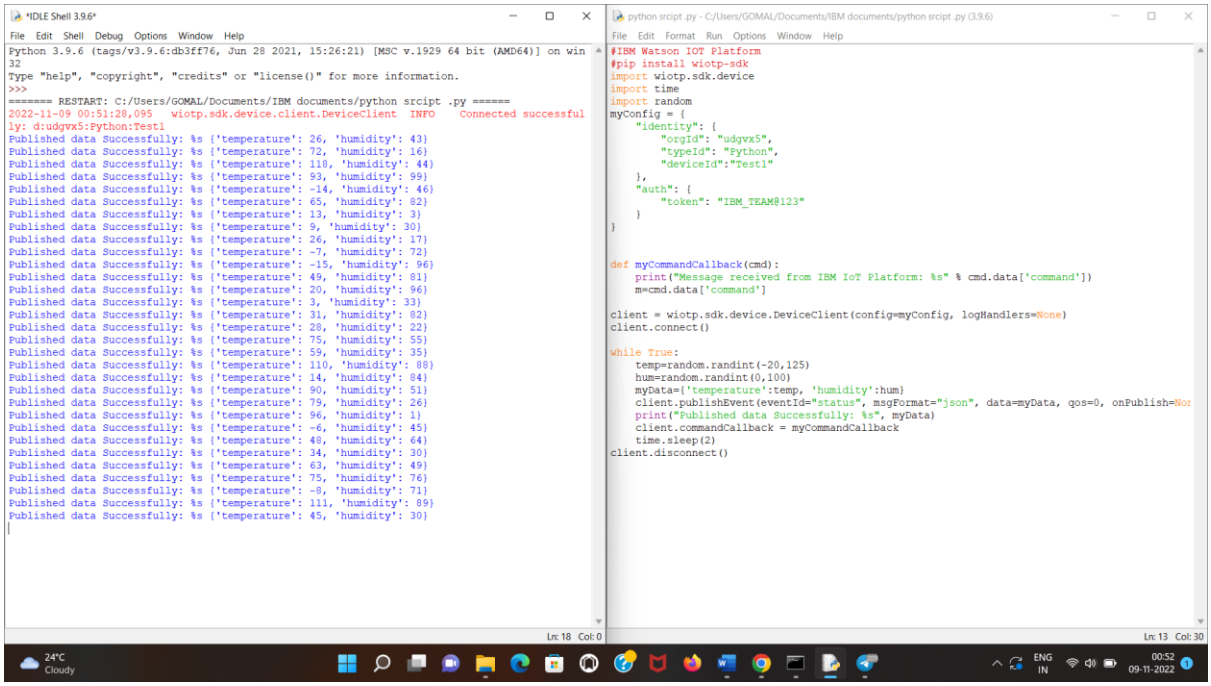
time.sleep(2)

client.disconnect()

PYTHON CODE:



PYTHON OUTPUT:



IBM WATSON OUTPUT: