**PYTHON CODE TO PUBLISH DATA TO IBM CLOUD**

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| Team ID | PNT2022TMID49806 |
| Project Name | Gas Leakage Monitoring and Alerting System for industries |

**Python Code:**

#IBM Watson IOT Platform #pip install wiotp-sdk import wiotp.sdk.device import time

import random myConfig = {

"identity": {

"orgId": "a73vfr",

"typeId": "Arduino", "deviceId":"2002"

},

"auth": {

"token": "XAS55GPfftdSdAcsLp"

}

}

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)

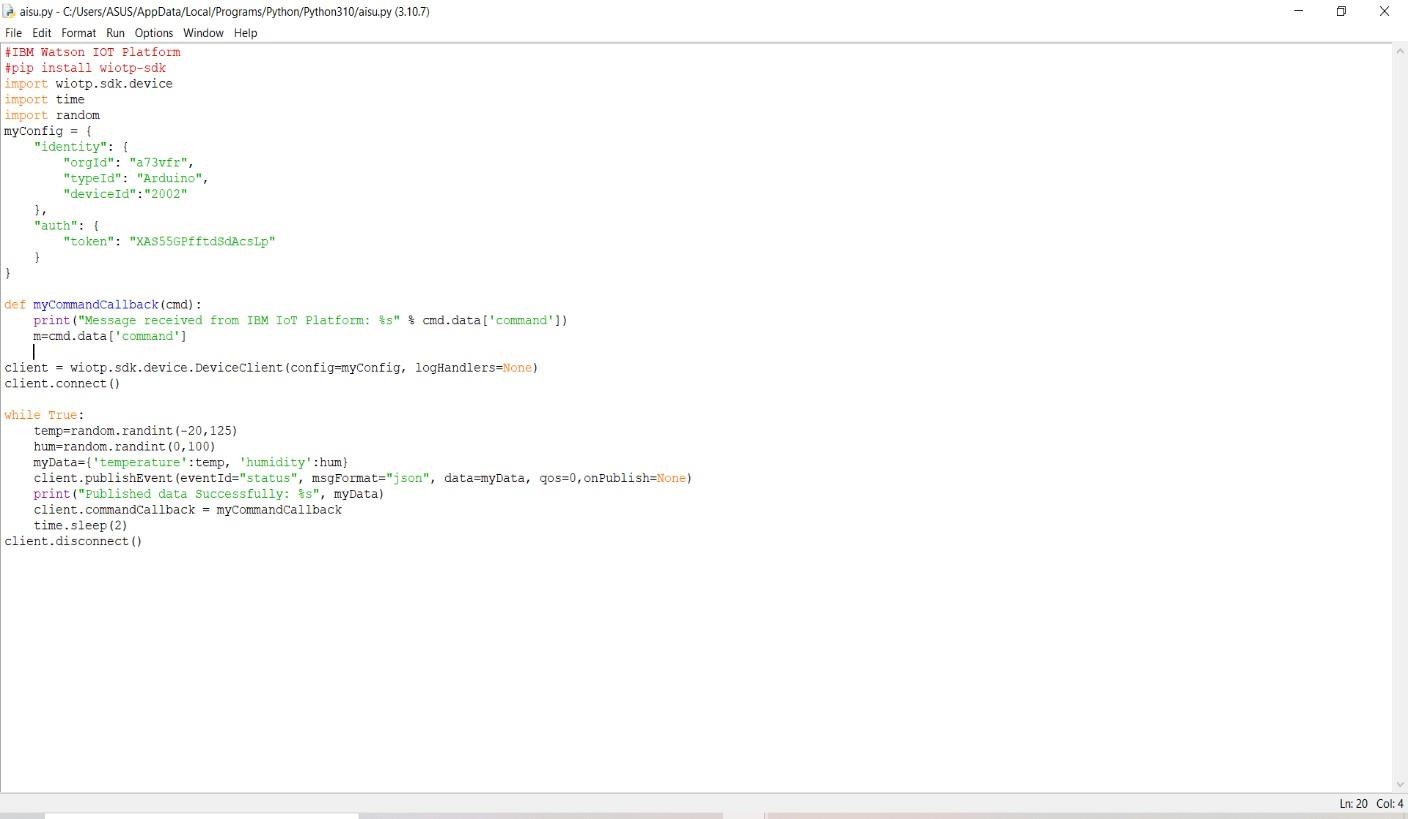
myData={'temperature':temp, 'humidity':hum}

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**

