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

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| **Date** | 11 November 2022 |
| **Team ID** | PNT2022TMID30897 |
| **Project Name** | GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES |

**CODE:**

**#IBM Watson IOT Platform**

**#pip install wiotp-sdk**

**import wiotp.sdk.device**

**import time**

**import random**

**myConfig = {**

**"identity": {**

**"orgId": "w1p5bv",**

**"typeId": "Node\_1",**

**"deviceId":"12345"**

**},**

**"auth": {**

**"token": "12345678"**

**}**

**}**

**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**

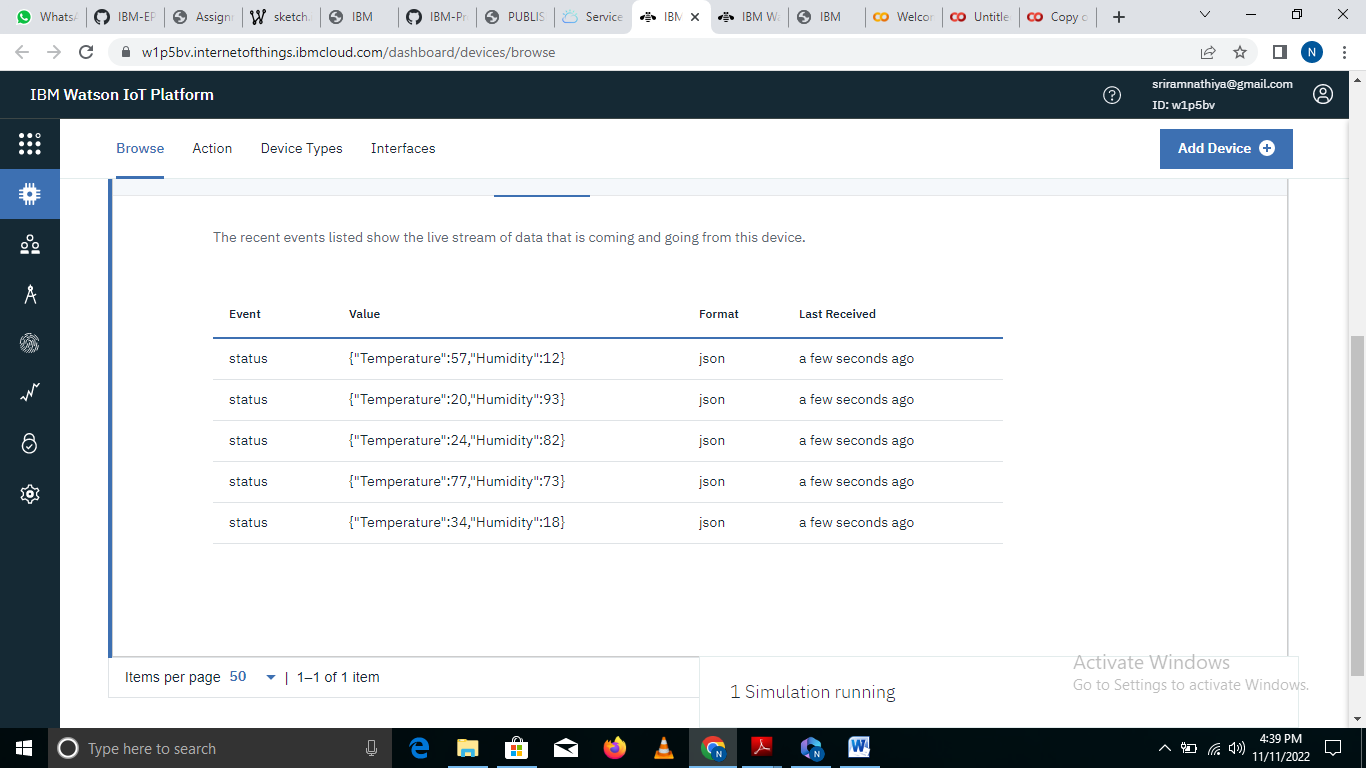
**time.sleep(2)**

**client.disconnect()**

**output:**

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**IBM CLOUD OUTPUT:**

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