PYTHON CODE (GAS, TEMPERATURE, HUMIDITY, PRESSURE)

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| **Date** | 17 NOVEMBER 2022 |
| **Team ID** | PNT2022TMID42716 |
| **Project Name** | GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES |

**PYTHON CODE**

#IBM Watson IOT Platform import wiotp.sdk.device

import time import random myConfig = {

"identity": {

"orgId": "yf0dyy ",

"typeId": "Faraaz ", "deviceId":"12345"

},

"auth": {

"token": "VJTDPRX@f&4Vuox8ms "

}

}

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: gas=random.randint(0,100)

temp=random.randint(0,100) hum=random.randint(0,100) pre=random.randint(0,100)

myData={'Hazardous Gas':gas, 'Temperature':temp, 'Humidity':hum, 'Pressure':pre }

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

print("Published data Successfully: %s", myData) client.commandCallback = myCommandCallbacktime.sleep(2)

client.disconnect() OUTPUT:



