Sprint – 2 Team ID: PNT2022TMID40473

CODE:

```
#IBM Watson IOT Platform
#pip install wiotp-sdk
from geopy.geocoders import Nominatim
import wiotp.sdk.device
import time
import random
myConfig = {
  "identity": {
    "orgId": "4ipem5",
    "typeId": "PNT2022MID40473",
    "deviceId":"1234"
  },
  "auth": {
    "token": "8072679097"
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)
  g1=random.randint(0,100)
  g2=random.randint(0,100)
  f="EMERGENCY"
  loc = Nominatim(user_agent="GetLoc")
  getLoc = loc.geocode("kanchipuram")
  getLoc1= loc.geocode("chennai")
  lat=getLoc.latitude
  log=getLoc.longitude
  lat1=getLoc1.latitude
  log1=getLoc1.longitude
  myData={'temperature':temp, 'humidity':hum,'gas_1':g1}
  if g1 > 40:
    myData={'alert g_1':f,'latitude':lat,'longitude':log}
    myData={'temperature':temp, 'humidity':hum,'gas_1':g1}
  if g2 > 40:
```

```
myData1={'alert g_2':f,'latitude':lat1,'longitude':log1}
else:
    myData1={'temperature':temp, 'humidity':hum,'gas_2':g2}

client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None)
    client.publishEvent(eventId="status", msgFormat="json", data=myData1, qos=0, onPublish=None)
    print("Published data Successfully: %s", myData)
    print("Published data successfully: %s", myData1)
    client.commandCallback = myCommandCallback
    time.sleep(3)
client.disconnect()
```



