Team Id: PNT2022TMID32732

PYTHON CODE

```
import wiotp.sdk.device
import time
import random
import requests
myConfig = {
  "identity": {
    "orgId": "ewzh7u",
    "typeId": "fire-management",
    "deviceId":"222030"
  },
  "auth": {
    "token": "17171717"
  }
}
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()
count=0
while True:
  temp=random.randint(-40,84)
  hum=random.randint(0,100)
  gas=random.randint(0,100)
  if(temp>68 and gas>80):
    myData={'temperature':str(temp)+chr(176)+"C", 'humidity':str(hum)+" %", 'gaslevel':str(gas)+"
%", 'condition':"Turn On Harzard-Protection System" }
```

```
message='Temperature:'+str(temp)+" C"+'\nHumidity:'+str(hum)+" %"+'\nGas-level:'+str(gas)+"
%"+"\nCondition:Turn On Harzard-Protection System"
   url =
"https://www.fast2sms.com/dev/bulkV2?authorization=hdp6viwrXqKO43ZSAEG2tNCY8my7LbBWkx
1anQgszu0HRD5FPIPRgf7ZDrviQT6d9q1NWHXJ2emU5tBI&route=q&message="+message+"&langua
ge=unicode&flash=1&numbers=8925008868"
    response = requests.request("GET", url)
    print(response.text)
    print("Turn On Harzard-Protection System")
 elif(temp>68 and gas<80):
   myData={'temperature':str(temp)+chr(176)+"C", 'humidity':str(hum)+" %", 'gaslevel':str(gas)+"
%", 'condition':"Turn On Fire-Protection System" }
    message='Temperature:'+str(temp)+" C"+'\nHumidity:'+str(hum)+" %"+'\nGas-level:'+str(gas)+"
%"+"\nCondition:Turn On Fire-Protection System"
   url =
"https://www.fast2sms.com/dev/bulkV2?authorization=hdp6viwrXqKO43ZSAEG2tNCY8my7LbBWkx
1anQgszu0HRD5FPIPRgf7ZDrviQT6d9q1NWHXJ2emU5tBI&route=q&message="+message+"&langua
ge=unicode&flash=1&numbers=8925008868"
    response = requests.request("GET", url)
    print(response.text)
    print("Turn On Fire-Protection System")
```

```
elif(temp<68 and gas>80):
    myData={'temperature':str(temp)+chr(176)+"C", 'humidity':str(hum)+" %", 'gaslevel':str(gas)+"
%", 'condition':"Turn On Ventilation System" }
    message='Temperature:'+str(temp)+" C"+'\nHumidity:'+str(hum)+" %"+'\nGas-level:'+str(gas)+"
%"+"\nCondition:Turn On Ventilation System"
    url =
"https://www.fast2sms.com/dev/bulkV2?authorization=hdp6viwrXqKO43ZSAEG2tNCY8my7LbBWkx
1anQgszu0HRD5FPIPRgf7ZDrviQT6d9q1NWHXJ2emU5tBI&route=q&message="+message+"&langua
ge=unicode&flash=1&numbers=8925008868"
    response = requests.request("GET", url)
    print(response.text)
    print("Turn On Ventilation-Protection System")
  else:
    myData={'temperature':str(temp)+chr(176)+"C", 'humidity':str(hum)+" %", 'gaslevel':str(gas)+"
%", 'condition':"SAFE" }
    message='Temperature:'+str(temp)+" C"+'\nHumidity:'+str(hum)+" %"+'\nGas-level:'+str(gas)+"
%"+"\nCondition:SAFE"
    url =
"https://www.fast2sms.com/dev/bulkV2?authorization=hdp6viwrXqKO43ZSAEG2tNCY8my7LbBWkx
1anQgszu0HRD5FPIPRgf7ZDrviQT6d9q1NWHXJ2emU5tBI&route=q&message="+message+"&langua
ge=unicode&flash=1&numbers=8925008868"
    response = requests.request("GET", url)
```

```
print(response.text)

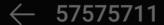
print("SAFE")

client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None)
print("Published data Successfully: %s", myData)
client.commandCallback = myCommandCallback
time.sleep(10)

client.disconnect()
```







Edit ···

Gas-level.42 %

Condition:SAFE

Today 11:34 AM

Temperature:16?C

Humidity:47 %

Gas-level:83 %

Condition: Turn On Ventilation

System

Today 11:34 AM

Temperature:1?C

Humidity:83 %

Gas-level:64 %

Condition:SAFE

Today 11:35 AM

Temperature:80?C

Humidity:42 %

Gas-level:80 %

57575711

Temperature:17?C

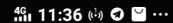
Humidity:45 %

Gas-level:43 %

Condition:SAFE

Cancel

Save







Edit ···

Today 11:34 AM

Temperature:2?C Humidity:82 % Gas-level:42 % Condition:SAFE

Todav 11:34 AM

Temperature:16?C

Humidity:47 % Gas-level:83 %

Condition: Turn On Ventilation

System

Today 11:35 AM

Temperature:73?C

Humidity:50 % Gas-level:37 %

Condition: Turn On Fire-Protection

System

57575711

Temperature:80?C Humidity:42 % Gas-level:80 % Condition:SAFE

Cancel

Save







Edit ···

Today 11:34 AM

Temperature:2?C Humidity:82 % Gas-level:42 % Condition:SAFE

Todav 11:34 AM

Temperature:16?C

Humidity:47 %

Gas-level:83 %

Condition: Turn On Ventilation

System

Today 11:35 AM

Temperature:80?C

Humidity:42 %

Gas-level:80 %

Condition:SAFE

Today 11.25 AM

57575711

Temperature:1?C Humidity:83 % Gas-level:64 % Condition:SAFE

Cancel

Save

+

Enter message

Send



← 57575711

Edit ···

Gas-1evel.42 %

Condition:SAFE

Today 11:34 AM

Temperature:16?C

Humidity:47 %

Gas-level:83 %

Condition: Turn On Ventilation

System

Today 11:34 AM

Temperature:1?C

Humidity:83 %

Gas-level:64 %

Condition:SAFE

Today 11:35 AM

Temperature:80?C

Humidity:42 %

Gas-level:80 %

57575711

Temperature:17?C

Humidity:45 %

Gas-level:43 %

Condition:SAFE

Cancel

Save





← 57575711

Edit ···

Gas-level.42 %
Condition:SAFE

Today 11:34 AM

Temperature:16?C

Humidity:47 %

Gas-level:83 %

Condition: Turn On Ventilation

System

Today 11:34 AM

Temperature:1?C

Humidity:83 %

Gas-level:64 %

Condition:SAFE

Today 11:35 AM

Temperature:80?C

Humidity:42 %

Gas-level:80 %

Condition:SAFE

Today 11:35 AM

Temperature:73?C

Humidity:50 %

Gas-level:37 %

Condition: Turn On Fire-Protection

System

← 57575711

Edit ···

Gas-level.os %

Condition:Turn On Ventilation

System

Today 11:34 AM

Temperature:1?C

Humidity:83 %

Gas-level:64 %

Condition:SAFE

Today 11:35 AM

Temperature:17?C

Humidity:45 %

Gas-level:43 %

Condition:SAFE

Today 11:35 AM

Temperature:80?C

Humidity:42 %

Gas-level:80 %

Condition:SAFE

Today 11:35 AM

Temperature:73?C

Humidity:50 %

Gas-level:37 %

Condition: Turn On Fire-Protection

System