PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

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Team ID	40785-1660634822 / PNT2022TMID54319
Project Name	Gas leakage monitoring and alerting system for industries

```python
#IBM Watson IOT Platform

#pip install wiotp-sdk

import wiotp.sdk.device

import time

import random

myConfig = { "identity": { "orgId": "yf0dyy ", "typeId": "Kumaran ",

"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, on

Publish=None)

print("Published data Successfully: %s", myData)

client.commandCallback = my Command Call backtime.sleep(2)

client.disconnect()
```