PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

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Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

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```
#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, onPublish=None)
    print("Published data Successfully: %s", myData)
    client.commandCallback = myCommandCallback
    time.sleep(2)
client.disconnect()
```