Develop A Python Script to Publish and Subscribe to IBM IoT Platform

Python Code to Publish Data to IBM Cloud

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Project Name	Gas leakage Monitoring and Alerting System for Industries

```
#IBM Watson IOT

Platform #pip install

wiotp-sdk import

wiotp.sdk.device

import timeimport

random myConfig

  = {

  "identity

  ": {

    "orgId": "v2g696",

    "typeId":

    "sairaj",

    "deviceId":"123

    45"

  },

  "auth": {

    "token": "123456789 "

  }

}
```

```python
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(0,1
    00)
    hum=random.randint(0,10
    0)
    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()
```