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

**Python Code to Publish Data to IBM Cloud**

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| **Team ID** | **PNT2022TMID12766** |
| **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 "

}

}

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()