

Team Id	PNT2022TMID11539
Project Title	Gas Leakage Monitoring and Alerting System

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ibm p (2).py - C:\Users\kamalesh\Downloads\ibm p (2).py (3.6.2)
File Edit Format Run Options Window Help
import wiotp.sdk.device
import time
import os
import datetime
import random
myConfig = {
    "identity": {
        "orgId": "z9xrcm",
        "typeId": "python",
        "deviceId": "1234"
    },
    "auth": {
        "token": "123456789"
    }
}
client=wiotp.sdk.device.DeviceClient (config=myConfig,logHandlers=None)
client.connect ()

def myCommandCallback (cmd):
    print ("Message received from IBM IoT platform: %s" % cmd.data ['command'])
    m=cmd.data ['command']
    if (m=="motoron"):
        print ("motor is switched on")
    elif (m=="motoroff"):
        print ("motor is switched off")
    print (" ")
while True:
    soil=random.randint (0,100)
    temp=random.randint (-20,125)
    hum=random.randint (0,100)
    myData= {'gas concentration ':soil,'temperature':temp,'humidity':hum}
    client.publishEvent (eventId="status",msgFormat="json" ,data=myData ,qos=0,onPublish=None)
    print ("published data successfully: %s",myData)
    time.sleep (2)
    client.commandCallback=myCommandCallback
client.disconnect ()

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```

Python 3.6.2 Shell

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===== RESTART: C:\Users\kamalesh\Downloads\ibm p (2).py =====
2022-11-09 14:36:50,028 wiotp.sdk.device.client.DeviceClient INFO Connecte
d successfully: d:z9xrcm:python:1234published data successfully: %s
{'gas concentration ': 13, 'temperature': 5, 'humidity': 88}
published data successfully: %s ('gas concentration ': 2, 'temperature': 72, 'h
umidity': 90)
published data successfully: %s ('gas concentration ': 84, 'temperature': 49, 'h
umidity': 32)
published data successfully: %s ('gas concentration ': 52, 'temperature': 69, 'h
umidity': 64)
published data successfully: %s ('gas concentration ': 5, 'temperature': 63, 'h
umidity': 66)
published data successfully: %s ('gas concentration ': 74, 'temperature': 37, 'h
umidity': 87)
published data successfully: %s ('gas concentration ': 11, 'temperature': 44, 'h
umidity': 15)
published data successfully: %s ('gas concentration ': 3, 'temperature': -13, 'h
umidity': 42)
published data successfully: %s ('gas concentration ': 74, 'temperature': 24, 'h
umidity': 79)
published data successfully: %s ('gas concentration ': 100, 'temperature': 11, '
humidity': 59)
published data successfully: %s ('gas concentration ': 95, 'temperature': 17, 'h
umidity': 90)
published data successfully: %s ('gas concentration ': 52, 'temperature': 84, 'h
umidity': 90)

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Ln: 158 Col: 0

Ln: 31 Col: 31