

Sprint – 1

Team ID: PNT2022TMID40473

CODE:

```
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "4ipem5",
        "typeId": "Anish7",
        "deviceId": "12365"
    },
    "auth": {
        "token": "@PqtN(64OTrYw4(6_V"
    }
}

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:
    g=random.randint(0,100)
    if g>45:
        print(" send alert message")
        myData={'alert':g}
    else:
        myData={'gas':g}
    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()
```

```
sprint1.py - C:\python\Python37\sprint1.py (3.7.4)
File Edit Format Run Options Window Help
import wiotp.sdk.device
import time
import random
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    "identity": {
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def myCommandCallback(cmd):
    print("Message received from IBM IoT Platform: %s" % cmd.data[
m=cmd.data['command']

client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandler
client.connect()

while True:
    g=random.randint(0,100)
    if g>45:
        print(" send alert message")
        myData={'alert':g}
    else:
        myData={'gas':g}
    client.publishEvent(eventId="status", msgFormat="json", data=m
    print("Published data Successfully: %s", myData)
    client.commandCallback = myCommandCallback
    time.sleep(2)
client.disconnect()

Python 3.7.4 Shell
File Edit Shell Debug Options Window Help
send alert message
Published data Successfully: %s {'alert': 50}
Published data Successfully: %s {'gas': 45}
Published data Successfully: %s {'gas': 16}
send alert message
Published data Successfully: %s {'alert': 99}
send alert message
Published data Successfully: %s {'alert': 60}
send alert message
Published data Successfully: %s {'alert': 93}
send alert message
Published data Successfully: %s {'alert': 77}
send alert message
Published data Successfully: %s {'alert': 96}
send alert message
Published data Successfully: %s {'alert': 97}
send alert message
Published data Successfully: %s {'alert': 69}
send alert message
Published data Successfully: %s {'alert': 61}
Published data Successfully: %s {'gas': 19}
Published data Successfully: %s {'gas': 8}
Published data Successfully: %s {'gas': 28}
send alert message
Published data Successfully: %s {'alert': 77}
Published data Successfully: %s {'gas': 11}
send alert message
Published data Successfully: %s {'alert': 60}
send alert message
Published data Successfully: %s {'alert': 89}
Published data Successfully: %s {'gas': 2}
Published data Successfully: %s {'gas': 32}
Published data Successfully: %s {'gas': 35}
send alert message
Published data Successfully: %s {'alert': 50}
Published data Successfully: %s {'gas': 8}

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