

Team ID	PNT2022TMID38469
Project Name	Signs With Smart Connectivity for Better Road Safety
Date	19/11/2022

```
cloudDataPublish.py-C:/Users/Maha/AppData/Local/Programs/Python/python37/cloudDat...
File Edit Format Run Options Window Help
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "b7lu7v",
        "typeId": "Iot_platform_device_1",
        "deviceId": "Iot_platform_ID"
    },
    "auth": {
        "token": "UH+p9wG43O?5W-vN_p"
    }
}
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:
    temp=random.randint(-20,125)
    hum=random.randint(0,100)
    myData={'temperature':temp, 'humidity':hum}
    client.publishEvent(eventId="status", msgFormat="json",data=myData, qos=
    print("Published data Successfully: %s", myData)
    client.commandCallback = myCommandCallback
    time.sleep(2)
client.disconnect()
```

```
*Python 3.7.0 Shell*
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Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
RESTART:C:/Users/Maha/AppData/Local/Programs/Python/python37/cloudDataPublish.py
2022-11-14 22:14:05,563 wiotp.sdk.device.client.DeviceClient INFO Connecte
d successfully: d:b7lu7v:Iot_platform_device_1:Iot_platform_IDPublished data Suc
cessfully: %s
{'temperature': 26, 'humidity': 84}
Published data Successfully: %s {'temperature': -13, 'humidity': 16}
Published data Successfully: %s {'temperature': -9, 'humidity': 47}
Published data Successfully: %s {'temperature': 90, 'humidity': 89}
Published data Successfully: %s {'temperature': 45, 'humidity': 40}
Published data Successfully: %s {'temperature': -9, 'humidity': 17}
Published data Successfully: %s {'temperature': 45, 'humidity': 98}
Published data Successfully: %s {'temperature': 49, 'humidity': 17}
Published data Successfully: %s {'temperature': 5, 'humidity': 59}
Published data Successfully: %s {'temperature': -5, 'humidity': 37}
Published data Successfully: %s {'temperature': 117, 'humidity': 41}
Published data Successfully: %s {'temperature': -10, 'humidity': 84}
Published data Successfully: %s {'temperature': 62, 'humidity': 35}
Published data Successfully: %s {'temperature': 36, 'humidity': 40}
Published data Successfully: %s {'temperature': 4, 'humidity': 68}
Published data Successfully: %s {'temperature': -20, 'humidity': 7}
Published data Successfully: %s {'temperature': 101, 'humidity': 59}
Published data Successfully: %s {'temperature': 22, 'humidity': 61}
```