DEVELOP A PYTHON SCRIPT

Date	13 November 2022
Team ID	PNT2022TMID35583
Project Name	Signs with Smart Connectivity for better road safety

PYTHON SCRIPT:

```python
import wiotp.sdk.device

import time

import random

myConfig = {

"identity":{

"orgId": "7myu88",

"typeId": "abcd",

"deviceId":"12345"},

"auth": {"token": "12345678"}
}

def myCommandCallback(cmd):
    print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
```

```python
    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=0,
onPublish=None)
    print("Published data Successfully: %s", myData)

    client.commandCallback= myCommandCallback
    time.sleep(2)
client.disconnect()
```

```
2022-11-18 18:53:07,507   wiotp.sdk.device.client.DeviceClient  INFO    Connected successfully: d:7myu88:abcd:12345
INFO:wiotp.sdk.device.client.DeviceClient:Connected successfully: d:7myu88:abcd:12345
Published data Successfully: %s {'temperature': 86, 'humidity': 86}
Published data Successfully: %s {'temperature': 11, 'humidity': 34}
Published data Successfully: %s {'temperature': 11, 'humidity': 60}
Published data Successfully: %s {'temperature': 78, 'humidity': 22}
Published data Successfully: %s {'temperature': -10, 'humidity': 31}
Published data Successfully: %s {'temperature': 53, 'humidity': 64}
Published data Successfully: %s {'temperature': 102, 'humidity': 14}
Published data Successfully: %s {'temperature': -3, 'humidity': 55}
Published data Successfully: %s {'temperature': 12, 'humidity': 90}
Published data Successfully: %s {'temperature': 19, 'humidity': 87}
Published data Successfully: %s {'temperature': 40, 'humidity': 84}
Published data Successfully: %s {'temperature': 107, 'humidity': 28}
Published data Successfully: %s {'temperature': 8, 'humidity': 38}
Published data Successfully: %s {'temperature': -9, 'humidity': 91}
Published data Successfully: %s {'temperature': 89, 'humidity': 2}
Published data Successfully: %s {'temperature': 79, 'humidity': 70}
Published data Successfully: %s {'temperature': 23, 'humidity': 37}
Published data Successfully: %s {'temperature': 57, 'humidity': 22}
Published data Successfully: %s {'temperature': 64, 'humidity': 15}
Published data Successfully: %s {'temperature': -16, 'humidity': 95}
----------------------------------------------------------------
KeyboardInterrupt                    Traceback (most recent call last)
```

IBM WATSON: