PYTHON SCPRIT

Team ID	PNT2022TMID29259
Project Name	Project – IOT Based Industry – Specific Intelligent Fire Management System.

PYTHON CODE

```python
import wiotp.sdk.device
import time
import random

myConfig =
   { "identity":
   {
      "orgId": "wt19pm",
      "typeId": "NodeMCU",
      "deviceId":"12345"
   },
   "auth": {
      "token": "12345678"
   }
}

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:
   temperature = random.randint(-20,125)
   gas = random.randint(0,1000)
   flamereading = random.randint(200,1024)
   myData={'Temperature': temperature, 'Gas':gas, 'Flamereading':flamereading}
   print("Published data Successfully: %s", myData)
   client.commandCallback = myCommandCallback
   time.sleep(2)
   client.disconnect()
```

OUTPUT

```
manikandan@pop-os:~/Downloads$ python3 script.py
2022-11-16 13:30:14,098   wiotp.sdk.device.client.DeviceClient  INFO    Connected successfully: d:wt19pm:NodeMCU:12345
Published data Successfully: %s {'Temperature': -16, 'Gas': 596, 'Flamereading': 545}
2022-11-16 13:30:16,101   wiotp.sdk.device.client.DeviceClient  INFO    Disconnected from the IBM Watson IoT Platform
2022-11-16 13:30:16,102   wiotp.sdk.device.client.DeviceClient  INFO    Closed connection to the IBM Watson IoT Platform
Published data Successfully: %s {'Temperature': 78, 'Gas': 971, 'Flamereading': 242}
2022-11-16 13:30:18,104   wiotp.sdk.device.client.DeviceClient  INFO    Closed connection to the IBM Watson IoT Platform
Published data Successfully: %s {'Temperature': 47, 'Gas': 522, 'Flamereading': 749}
2022-11-16 13:30:20,105   wiotp.sdk.device.client.DeviceClient  INFO    Closed connection to the IBM Watson IoT Platform
Published data Successfully: %s {'Temperature': 97, 'Gas': 878, 'Flamereading': 520}
2022-11-16 13:30:22,108   wiotp.sdk.device.client.DeviceClient  INFO    Closed connection to the IBM Watson IoT Platform
Published data Successfully: %s {'Temperature': 112, 'Gas': 956, 'Flamereading': 516}
2022-11-16 13:30:24,109   wiotp.sdk.device.client.DeviceClient  INFO    Closed connection to the IBM Watson IoT Platform
Published data Successfully: %s {'Temperature': 113, 'Gas': 780, 'Flamereading': 511}
2022-11-16 13:30:26,112   wiotp.sdk.device.client.DeviceClient  INFO    Closed connection to the IBM Watson IoT Platform
Published data Successfully: %s {'Temperature': 121, 'Gas': 612, 'Flamereading': 901}
```