SPRINT 1

Project Title	Industry-specific intelligent fire management system
Team ID	PNT2022TMID34745
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```python
#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {
 "identity": {
 "orgId": "unjenn",
 "typeId": "Nodered"
 "deviceId": "3007"
 },
 "auth": {
 "token": "23456789"
 }
}
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=0,
onPublish=None)
 print("Published data Successfully: %s", myData)
 client.commandCallback = myCommandCallback
 time.sleep(2)
client.disconnect()
```

OUTPUT

File Edit Shell Debug Options Window Help

```
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\HP\Desktop\python.py ====================
2022-11-16 21:56:08,877   wiotp.sdk.device.client.DeviceClient  INFO    Connected successfully: d:s8ovlq:abcd:12345Published data Successfully: %s
 {'temperature': 109, 'humidity': 69, 'flame': 41, 'gas': 80}
Published data Successfully: %s {'temperature': -11, 'humidity': 23, 'flame': 45, 'gas': 43}
Published data Successfully: %s {'temperature': 104, 'humidity': 87, 'flame': 42, 'gas': 27}
Published data Successfully: %s {'temperature': 40, 'humidity': 26, 'flame': 47, 'gas': 40}
Published data Successfully: %s {'temperature': 97, 'humidity': 19, 'flame': 32, 'gas': 24}
Published data Successfully: %s {'temperature': 7, 'humidity': 0, 'flame': 22, 'gas': 84}
Published data Successfully: %s {'temperature': -3, 'humidity': 43, 'flame': 29, 'gas': 66}
Published data Successfully: %s {'temperature': 123, 'humidity': 52, 'flame': 9, 'gas': 87}
Published data Successfully: %s {'temperature': 23, 'humidity': 71, 'flame': 18, 'gas': 52}
Published data Successfully: %s {'temperature': 104, 'humidity': 28, 'flame': 4, 'gas': 56}
Published data Successfully: %s {'temperature': 33, 'humidity': 40, 'flame': 33, 'gas': 71}
Published data Successfully: %s {'temperature': 93, 'humidity': 31, 'flame': 32, 'gas': 59}
Published data Successfully: %s {'temperature': 56, 'humidity': 73, 'flame': 24, 'gas': 94}
Published data Successfully: %s {'temperature': -13, 'humidity': 29, 'flame': 14, 'gas': 73}
Published data Successfully: %s {'temperature': 75, 'humidity': 76, 'flame': 11, 'gas': 20}
Published data Successfully: %s {'temperature': 73, 'humidity': 9, 'flame': 41, 'gas': 50}
Published data Successfully: %s {'temperature': 116, 'humidity': 87, 'flame': 50, 'gas': 33}
Published data Successfully: %s {'temperature': 24, 'humidity': 88, 'flame': 30, 'gas': 17}
Published data Successfully: %s {'temperature': -10, 'humidity': 7, 'flame': 48, 'gas': 74}
Published data Successfully: %s {'temperature': 70, 'humidity': 55, 'flame': 32, 'gas': 58}
Published data Successfully: %s {'temperature': 7, 'humidity': 91, 'flame': 36, 'gas': 7}
```