

CODE

Date	14 November 2022
Team ID	PNT2022TMID48307
Project Name	Industry-specific intelligent fire management system

CODE:

```
import json
import wiotp.sdk.device
import time
import random
import ibmiotf.application
import ibmiotf.device

myConfig = {
    "identity": {
```

```
    "orgId": "g0nfyw",
    "typeId": "Node",
    "deviceId": "1234"
  },
  "auth": {
    "token": "012345678"
  }
}

def myCommandCallback(cmd):
    print("Command received: %s" % cmd.data['command'])
    status=cmd.data['command']
    if status=="fanon":
        print ("fan is on")
    elif status == "fanoff":
        print ("fan is off")
    else :
        print ("please send proper command")

client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
```

```
while True:
    temp=random.randint(-20,125)
    flame=random.randint(0,100)
    gas=random.randint(0,100)

    myData={'temperature':temp, 'flame':fla, 'gas':gas}
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None)
    print("Published data Successfully: ", myData)
    time.sleep(20)

    client.commandCallback = myCommandCallback

client.disconnect()
```