

DEVELOP A PYTHON SCRIPT

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Project Name	Hazardous Area Monitoring for Industrial Plant Powered by IOT

PYTHON CODE:

```
#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "n89sjt",
        "typeId": "Suren",
        "deviceId": "046"
    },
    "auth": {
        "token": "surenthiran06"
    }
}

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()
```