Develop a Python Script

Team ID	PNT2022TMID52137
Project Name	Signs with smart connectivity for better road safety

```python
import time

import sys

import ibmiotf.applicationimport ibmiotf.device import random

organization="8slgz2"

deviceType="sprint1type"

deviceId="sprint1id"

authMethod="use-token-auth"

authToken="9876543210"


temp=random.randint(0,100)

pulse=random.randint(0,100)

oxygen=random.randint(0,100)

lat=17

lon=18


def myCommandCallback(cmd):

    print("Command received: %s" % cmd.data['command'])

    print(cmd)


try:

    deviceOptions={"org": organization, "type": deviceType, "id": deviceId, "auth-method": authMethod, "auth-token": authToken}

    deviceCli=ibmiotf.device.Client (deviceOptions)


except Exception as e:

    print("Caught exception connecting device: %s " % str(e))

    sys.exit()
```

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```python
deviceCli.connect()
while True:
    temp=random.randint(0, 100)
    pulse=random.randint(0, 100)
    oxygen=random.randint(0,100)
    lat=17
    lon=18
    data={"d":{"temp":temp, "pulse": pulse, "oxygen": oxygen, "lat":lat, "lon":lon}}
    def myOnPublishCallback():
        print ("Published Temperature= %s C" % temp, "Humidity= %s %% " %pulse, "to IBM Watson")
        success=deviceCli.publishEvent("IoTSensor", "json", data, qos=0, on_publish=myOnPublishCallback)
        if not success:
            print("Not connected to IOTF")
        time.sleep(1)
        deviceCli.commandCallback=myCommandCallback

deviceCli.disconnect()
```

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Output: