

Develop a Python Script

Date	13th November 2022
Team ID	PNT2022TMID14966
Project Name	Signs with Smart Connectivity for BetterRoad Safety.

Develop a python script to publish random sensor data such as temperature, humidity and visibility to the IBM IoT Platform

#IBM Watson IOT Platform

#pip install wiotp-sdk

```
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "33lnun",
        "typeId": "PNT2022TMID14966",
        "deviceId": "PNT2022TMID14966"
    },
    "auth": {
        "token": "BGM(9-Tgfy&IrHmglp"
    }
}

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(0,100)
    humid=random.randint(0,100)
    visi=random.randint(0,100)
    myData={'temperature':temp, 'humidity':humid, 'visibility':visi}
    client.publishEvent(eventId="status", msgFormat="json", data=myData,
qos=0,          onPublish=None)
    print("Published data Successfully in IBM cloud: %s", myData)
    client.commandCallback = myCommandCallback
```

```
time.sleep(2)  
client.disconnect()
```