

## Develop a Python Script

Date	13th November 2022
Team ID	PNT2022TMID23778
Project Name	Project: Signs with Smart Connectivity for Better Road 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": "pjj3fl",
        "typeId": "PNT2022TMID23778",
        "deviceId": "PNT2022TMID23778"
    },
    "auth": {
        "token": "khjyutfdhygbhfhm"
    }
}

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':hum, '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()
```