PYTHON SCRIPT FOR
ANALYSING THE WEATHER DATA

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Team ID	PNT2022TMID40472
Project Name	Sign with smart Connectivity for better Road safety

CODE:

```
#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
#pip install requests
import requests, json
import time
import random
myConfig = {
    "identity": {
        "orgId": "6q4xt1",
        "typeId": "buggy",
        "deviceId":"11235"
    },
    "auth": {
        "token": "o*Mt9ULS)1qtziq1A7"
    }
}

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()




cityName = input("\nEnter the City Name: ")


while True:
    #Get Weather data from any city


    #Getting weather apiKey from Openweathermap
    apiKey="d3bcb2501b7fa0ed5ea247df2c8f6969"



    #The url provides the weather data about the city
    url =" https://api.openweathermap.org/data/2.5/weather?q="+
cityName + "&appid="+ apiKey + "&units=metric"



    response = requests.get(url)


    data =response.json()
```

```
    temp=data["main"]["temp"]


    hum=data['main']['humidity']
    myData={'temperature':temp, 'humidity':hum}
    client.publishEvent(eventId="status", msgFormat="json",
data=myData, qos=0, onPublish=None)
    print("Published data Successfully:  ", myData)
    client.commandCallback = myCommandCallback
    time.sleep(2)
client.disconnect()
```