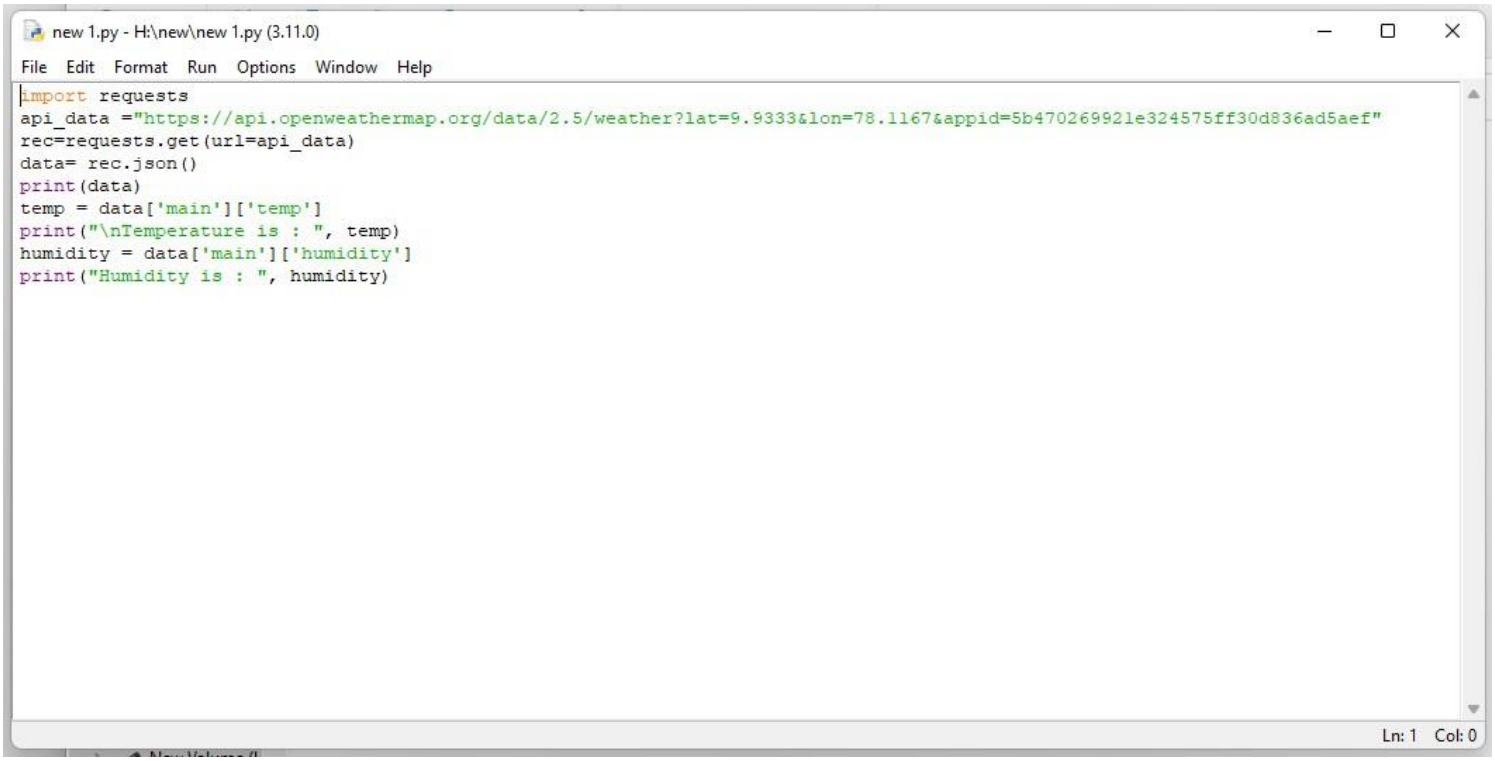
SPRINT – 02

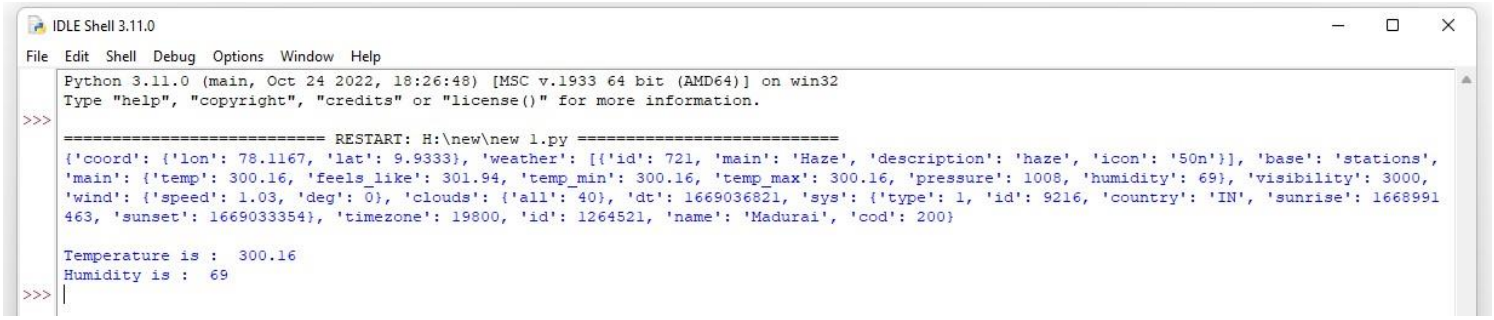
Date :	02 November 2022
Team ID :	PNT2022TMID47905
Project Name	SIGNS WITH SMART CONNECTIVITY FOR BETTER ROAD SAFETY

Sprint goal:

Push the code from Sprint 1 to cloud so it can be accessed from anywhere



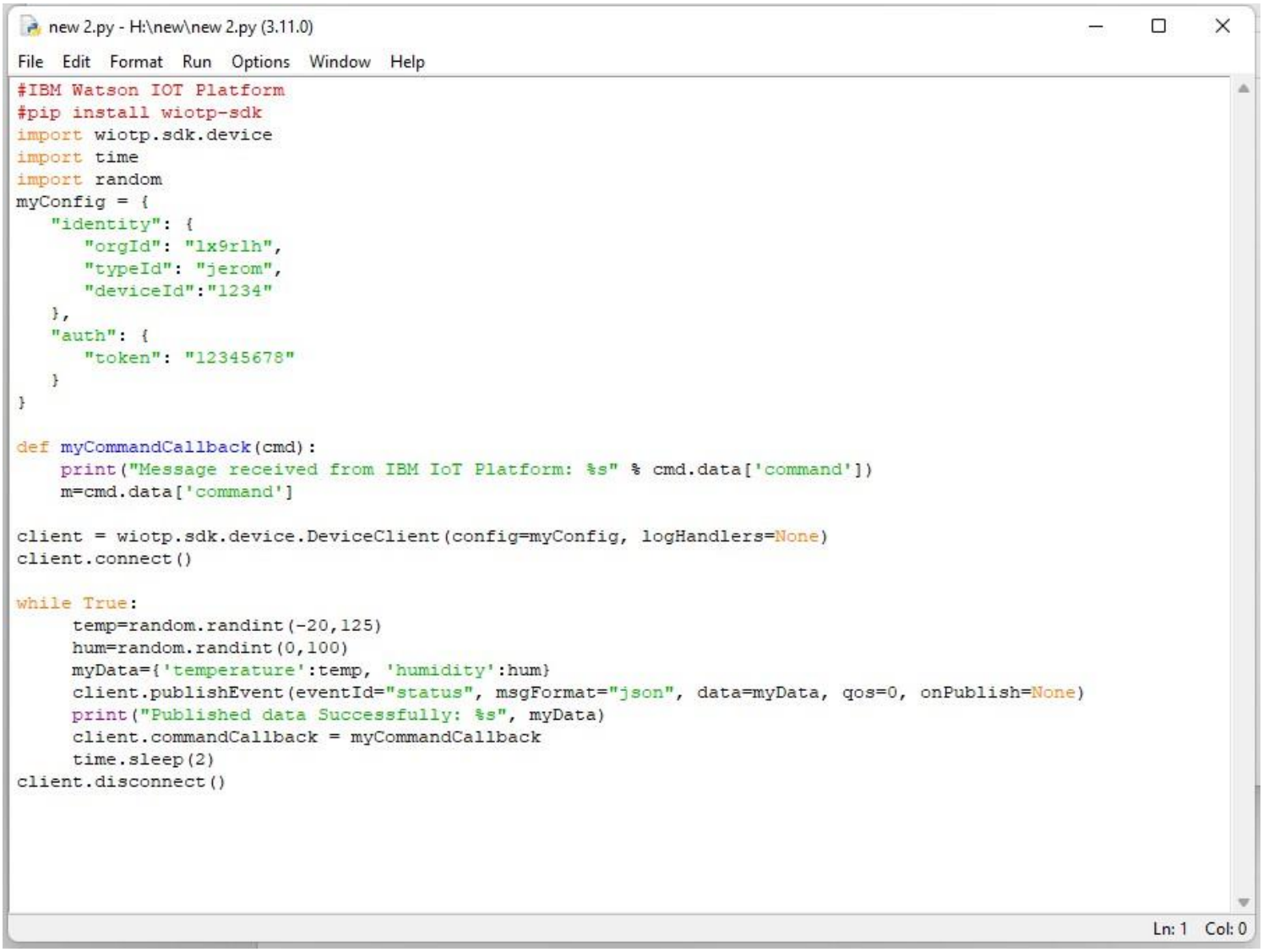
OUTPUT :

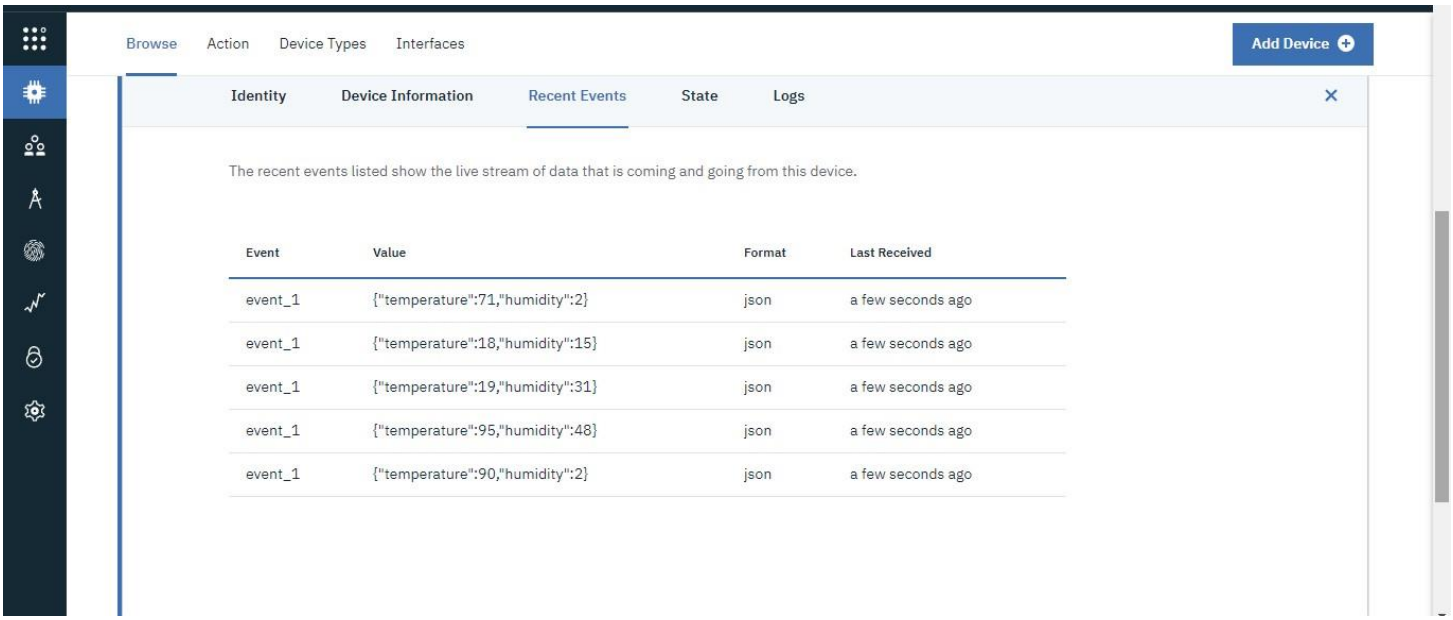


PYTHON CODE

```
import requests
api_data = "
https://api.openweathermap.org/data/2.5/weather?lat=9.9333&lon=78.1167&appid=5b470269921e324575ff30d836ad5aef"
rec=requests.get(url=api_data)
data= rec.json()
print(data)
temp = data['main']['temp']
print("\nTemperature is : ", temp)
humidity = data['main']['humidity']
print("Humidity is : ", humidity)
```

PYTHON CODE TO IBM CLOUD





PYTHON CODE:

```
#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {
  "identity": {
    "orgId": "lx9rlh",
    "typeId": "jerom",
    "deviceId":"1234"
  },
  "auth": {
    "token": "12345678"
  }
}

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()
```