SPRINT - 02

Date :	02 November 2022
Team ID :	PNT2022TMID37707
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

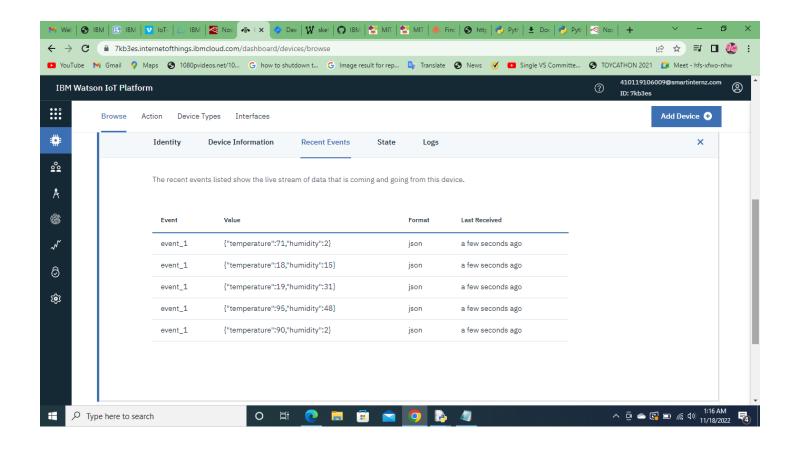
OUTPUT:

PYTHON CODE

```
import requests
api_data =
"https://api.openweathermap.org/data/2.5/weather?q=Chennai,IN&appid=83b76984e68a9673cadf6ae071a53b0
c"
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)
```

ii) PYTHON CODE TO IBM CLOUD

```
hi.py - C:\Python\Python311\hi.py (3.11.0)
File Edit Format Run Options Window Help
#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "7kb3es",
        "typeId": "deepi reshpeery",
        "deviceId": "56789"
    "auth": {
        "token": "CUsp45PBuBEsQeJ 9N"
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()
```



PYTHON CODE:

```
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#pip install wiotp-sdk

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myConfig = {
    "identity": {
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        "typeId": "deepi_reshpeery",
        "deviceId":"56789"
    },
    "auth": {
        "token": "CUsp45PBuBEsQeJ_9N"
```

```
}
}
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.command Callback = my Command Callback \\
  time.sleep(2)
client.disconnect()
```

THANK YOU..!!