TEAM ID	PNT2022TMID01883
PROJECT NAME	Smart Waste Management System for Metropolitan Cities

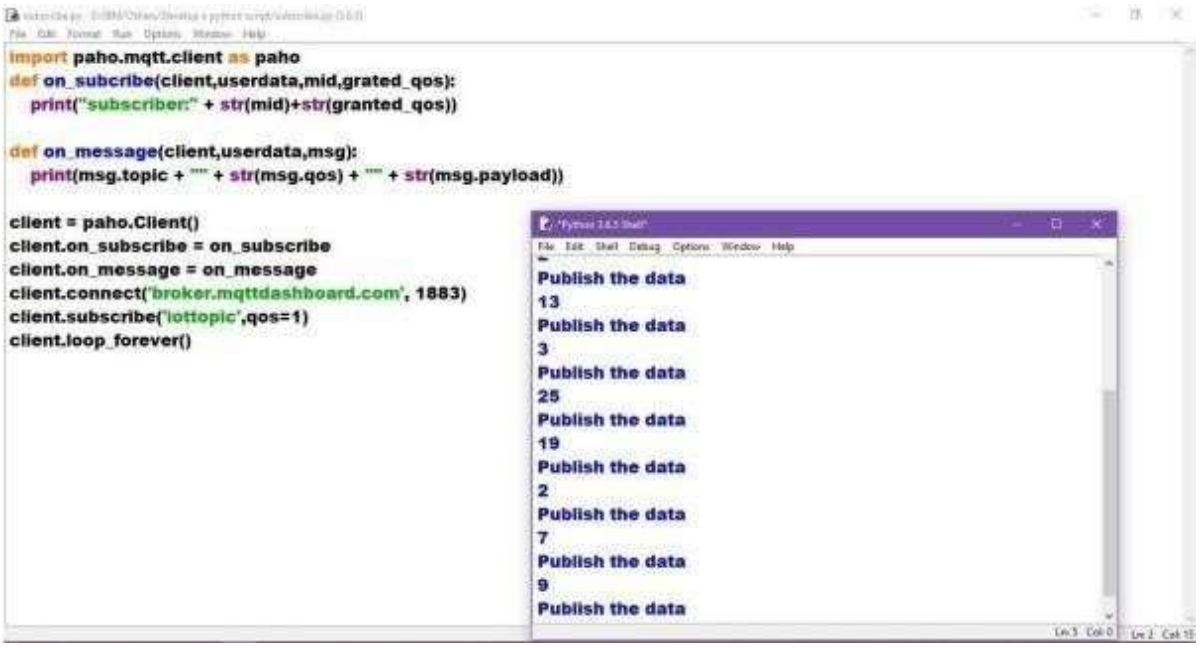
Publish Data to the IBM Cloud

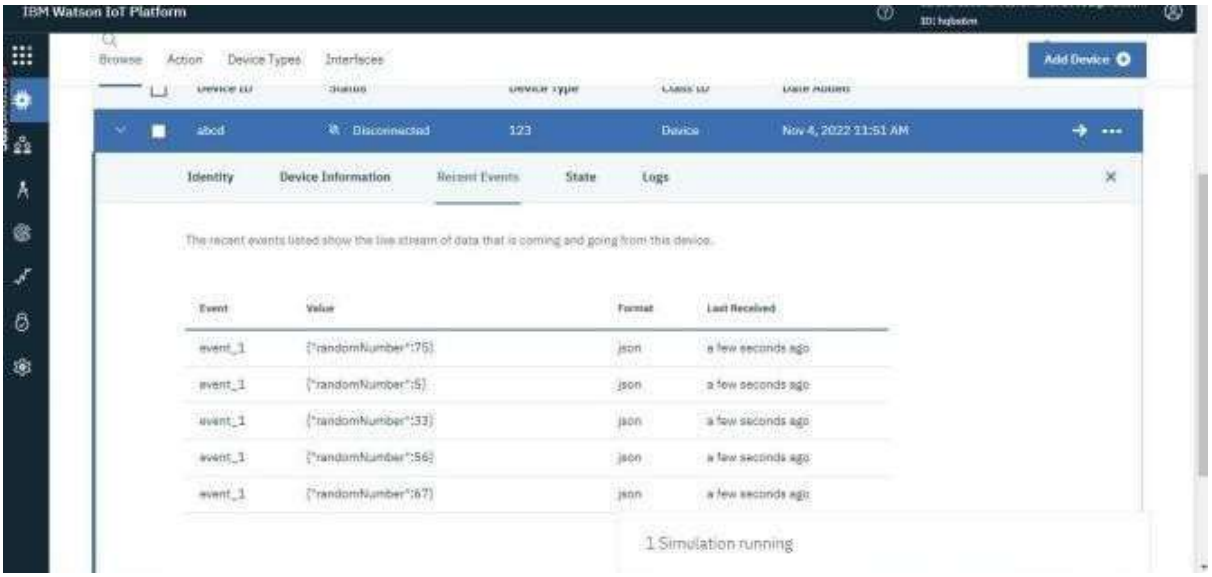
```
#IBM Watson IOT Platform

#pip install wiotp-sdk

import wiotp.sdk.device

import time

import random

myConfig = { "identity":

{

"orgId": "hj5fmy",

"typeId": "NodeMCU",

"deviceId":"12345" },

"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()




IBM Watson IoT Platform
Browse
Action
Device Types
Interfaces
Add Device
abcd
Disconnected
123
Device
Nov 4, 2022 11:51 AM
Identity
Device Information
Recent Events
State
Logs
The recent events listed show the live stream of data that is coming and going from this device.
Event
Value
Format
Last Received
event_1
{"randomNumber":75}
json
a few seconds ago
event_1
{"randomNumber":5}
json
a few seconds ago
event_1
{"randomNumber":33}
json
a few seconds ago
event_1
{"randomNumber":56}
json
a few seconds ago
event_1
{"randomNumber":67}
json
a few seconds ago
1 Simulation running


IBM Watson IoT Platform
Collect data from
Cars
and make value from it
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