TO DEVELOP A PYTHON SCRIPT

Date	16- November -2022
Team ID	PNT2022TMID48657
Project Name	Project-Smart Waste Management System in Metropolitan Cities.
Maximum Marks	8 Marks

Python code

```
import wiotp.sdk.device

import time

import json

 myConfig = {

"identity": {

"orgId": "90pizh",

 "typeId": "NodeMCU",

 "deviceId":"123456" },

"auth": {

"token": "8098439666"

}

}

client = wiotp.sdk.device.DeviceClient(config=myConfig,
```

logHandlers=None)

client.connect()

while True:

name="smartbridge"

latitude=17.4225176

longitude=70.5450042

myData={'name': 'name', 'lat': latitude, 'lon': longitude}
client.publishEvent(eventId="status", msgFormat="json",

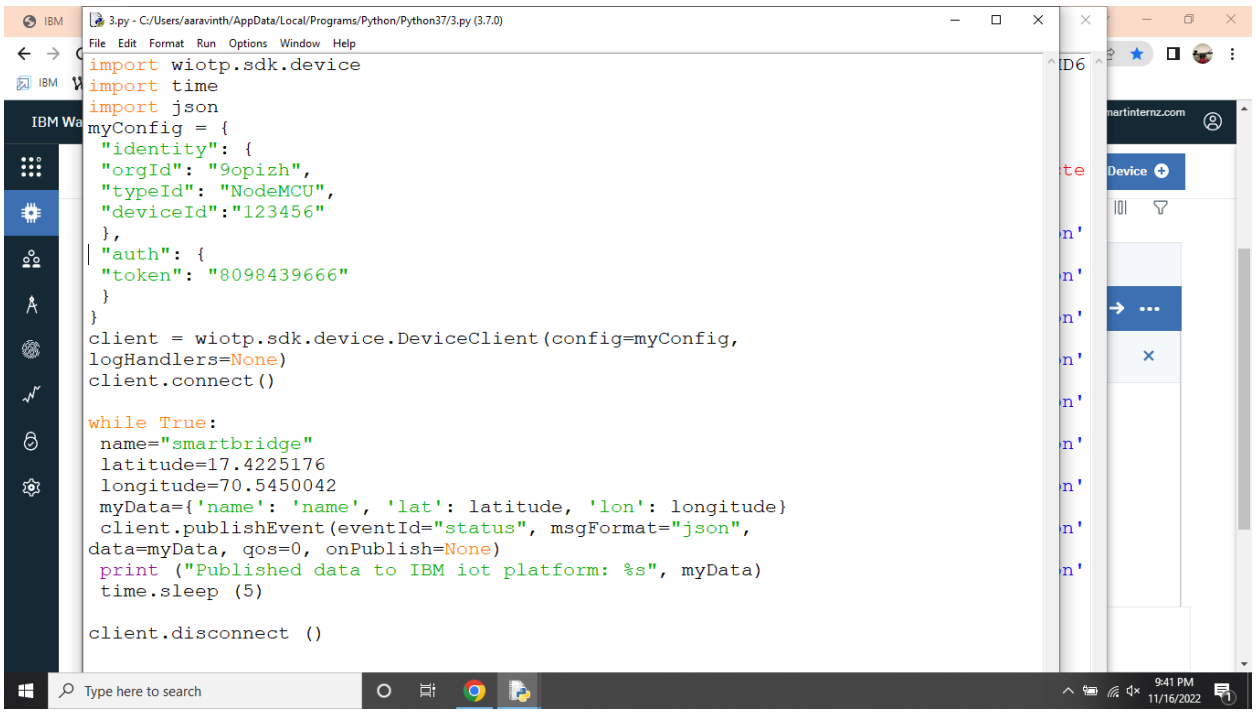
data=myData, qos=0, onPublish=None)

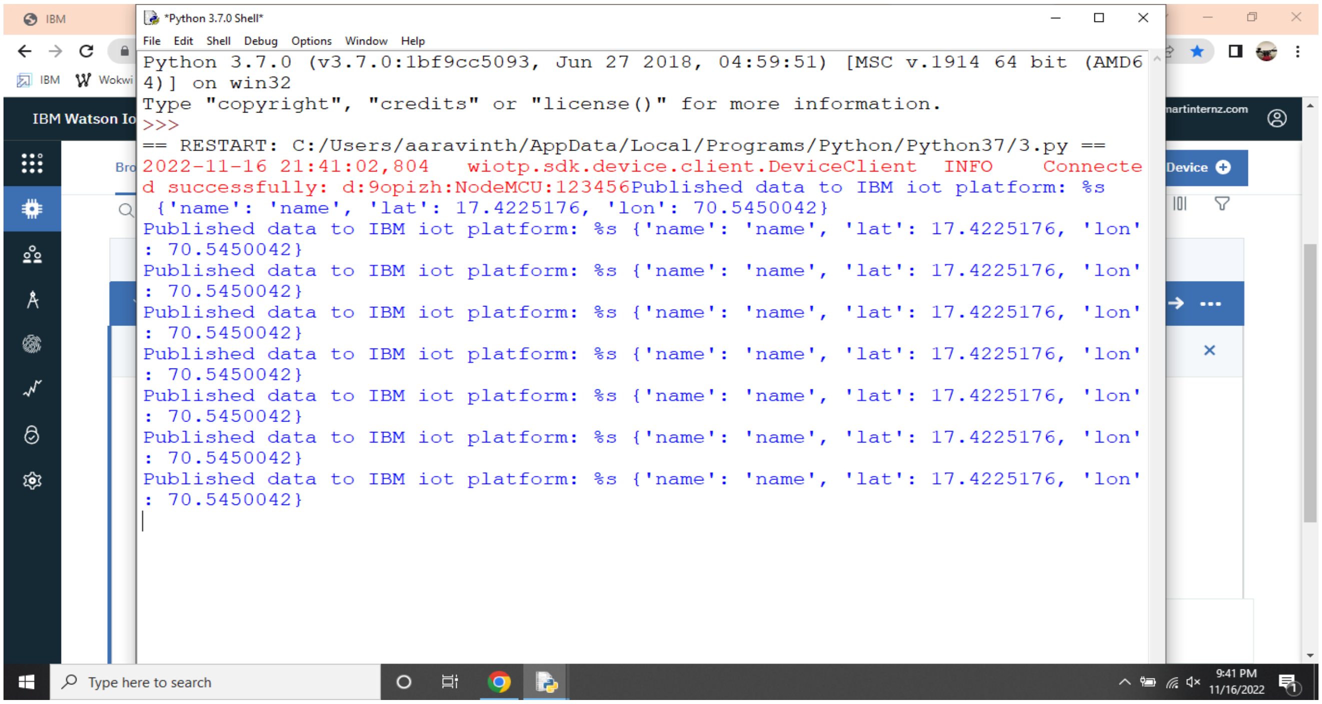
print ("Published data to IBM iot platform: %s", myData)

time.sleep (5)

client.disconnect ()

PYTHON IDLE OUTPUT:




Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
== RESTART: C:/Users/aaravinth/AppData/Local/Programs/Python/Python37/3.py ==
2022-11-16 21:41:02,804 wiotp.sdk.device.client.DeviceClient INFO Connected successfully: d:9opizh:NodeMCU:123456Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon': 70.5450042}
Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon': 70.5450042}
Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon': 70.5450042}
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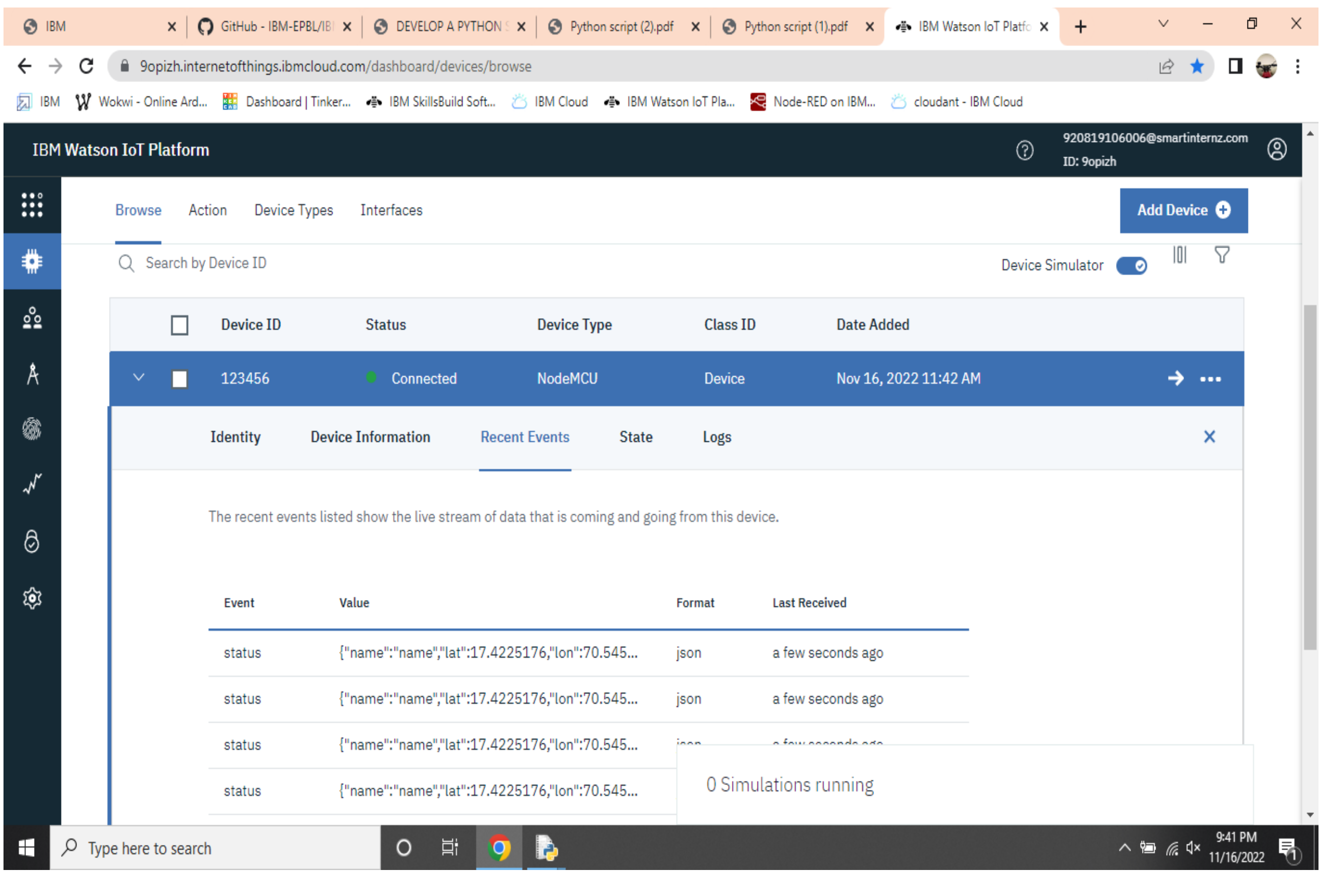
Published data to IBM iot platform: %s {'name': 'name', 'lat': 17.4225176, 'lon': 70.5450042}
Type here to search
9:41 PM
11/16/2022


9opizh.internetofthings.ibmcloud.com/dashboard/devices/browse
IBM Watson IoT Platform
920819106006@smartinternz.com
ID: 9opizh
Browse
Action
Device Types
Interfaces
Add Device
Search by Device ID
Device Simulator
Device ID
Status
Device Type
Class ID
Date Added
123456
Connected
NodeMCU
Device
Nov 16, 2022 11:42 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
status
{"name":"name","lat":17.4225176,"lon":70.545...
json
a few seconds ago
status
{"name":"name","lat":17.4225176,"lon":70.545...
json
a few seconds ago
status
{"name":"name","lat":17.4225176,"lon":70.545...
status
{"name":"name","lat":17.4225176,"lon":70.545...
0 Simulations running
Type here to search
9:41 PM
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