

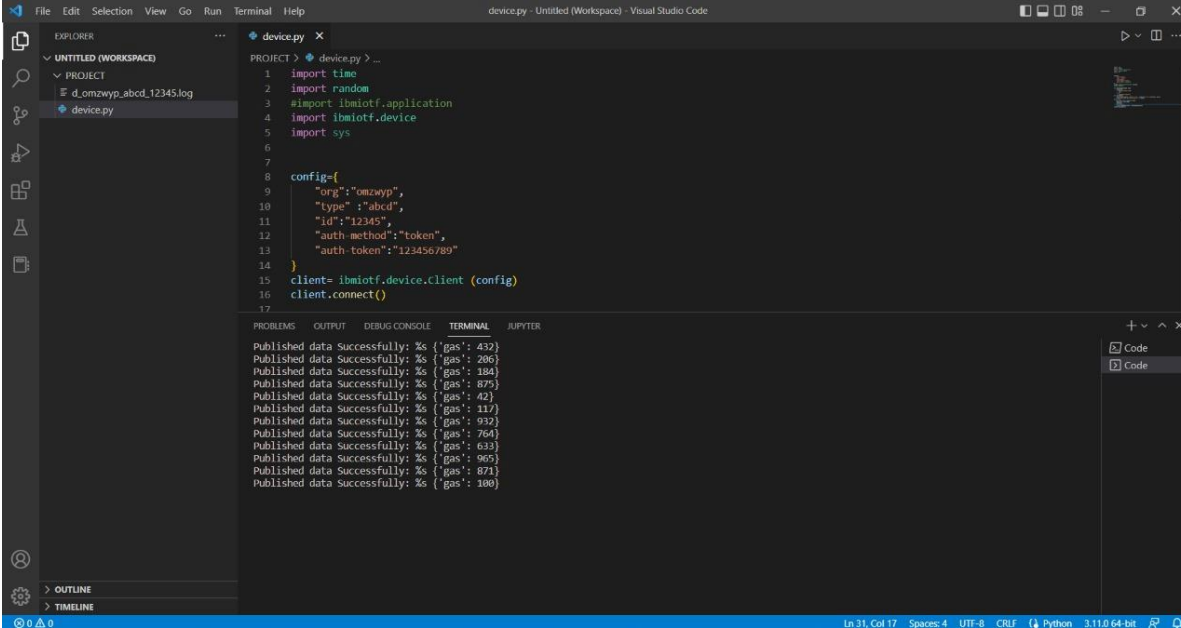
DEVELOP A PYTHON SCRIPT TO PUBLISH AND SUBSCRIBE TO IBM IOT PLATFORM

Team ID	PNT2022TMID21384
Project Name	Gas Leakage monitoring & Alerting system
Project Team Members	19D051 - MUKILAN T V 19D068 – RAGUL SHANKAR S 19D079 – SANTHOSH S 19D083 – SEEMAN CHAKKARAVARTHY V

OBJECTIVES:

To publish data to the IBM Cloud

WORK DONE:



```
device.py - Untitled (Workspace) - Visual Studio Code

1  import time
2  import random
3  #import ibmiotf.application
4  import ibmiotf.device
5  import sys
6
7
8  config={
9      "org":"omzwyp",
10     "type":"abcd",
11     "id":"12345",
12     "auth-method":"token",
13     "auth-token":"123456789"
14 }
15 client= ibmiotf.device.Client (config)
16 client.connect()
17
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

```
Published data Successfully: %s (%s: 432)
Published data Successfully: %s (%s: 206)
Published data Successfully: %s (%s: 184)
Published data Successfully: %s (%s: 875)
Published data Successfully: %s (%s: 42)
Published data Successfully: %s (%s: 117)
Published data Successfully: %s (%s: 932)
Published data Successfully: %s (%s: 764)
Published data Successfully: %s (%s: 633)
Published data Successfully: %s (%s: 965)
Published data Successfully: %s (%s: 871)
Published data Successfully: %s (%s: 100)
```

Ln 31, Col 17 Spaces: 4 UTF-8 CRLF Python 3.11.0 64-bit R2

IBM Watson IoT Platform

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BrowseActionDevice TypesInterfaces

Add Device

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
12345	Connected	abcd	Device	Nov 17, 2022 11:31 AM	

IdentityDevice InformationRecent EventsStateLogs

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
status	{"gas":955}	json	a few seconds ago
status	{"gas":797}	json	a few seconds ago
status	{"gas":137}	json	a few seconds ago
status	{"gas":856}	json	a few seconds ago
status	{"gas":724}	json	a few seconds ago