

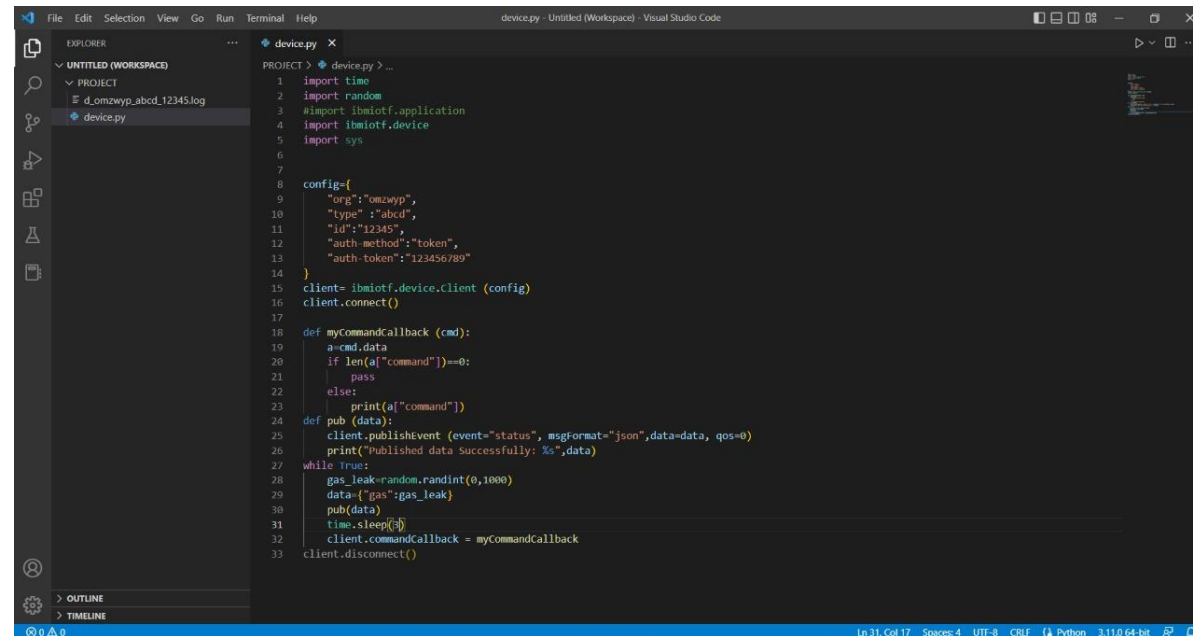
DEVELOP A PYTHON SCRIPT TO PUBLISH AND SUBSCRIBE TO IBM IOT PLATFORM

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Project Name	Gas Leakage monitoring & Alerting system
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OBJECTIVES:

To develop Python code

WORK DONE:



```
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
18 def myCommandCallback (cmd):
19     a=cmd.data
20     if len(a["command"])==0:
21         pass
22     else:
23         print(a["command"])
24
25 def pub (data):
26     client.publishEvent (event="status", msgformat="json",data=data, qos=0)
27     print("Published data successfully: %s",data)
28
29 while True:
30     gas_leak=random.randint(0,1000)
31     data={"gas":gas_leak}
32     pub(data)
33     time.sleep(5)
34     client.commandCallback = myCommandCallback
35 client.disconnect()
```