

DEVELOP A PYTHON SCRIPT

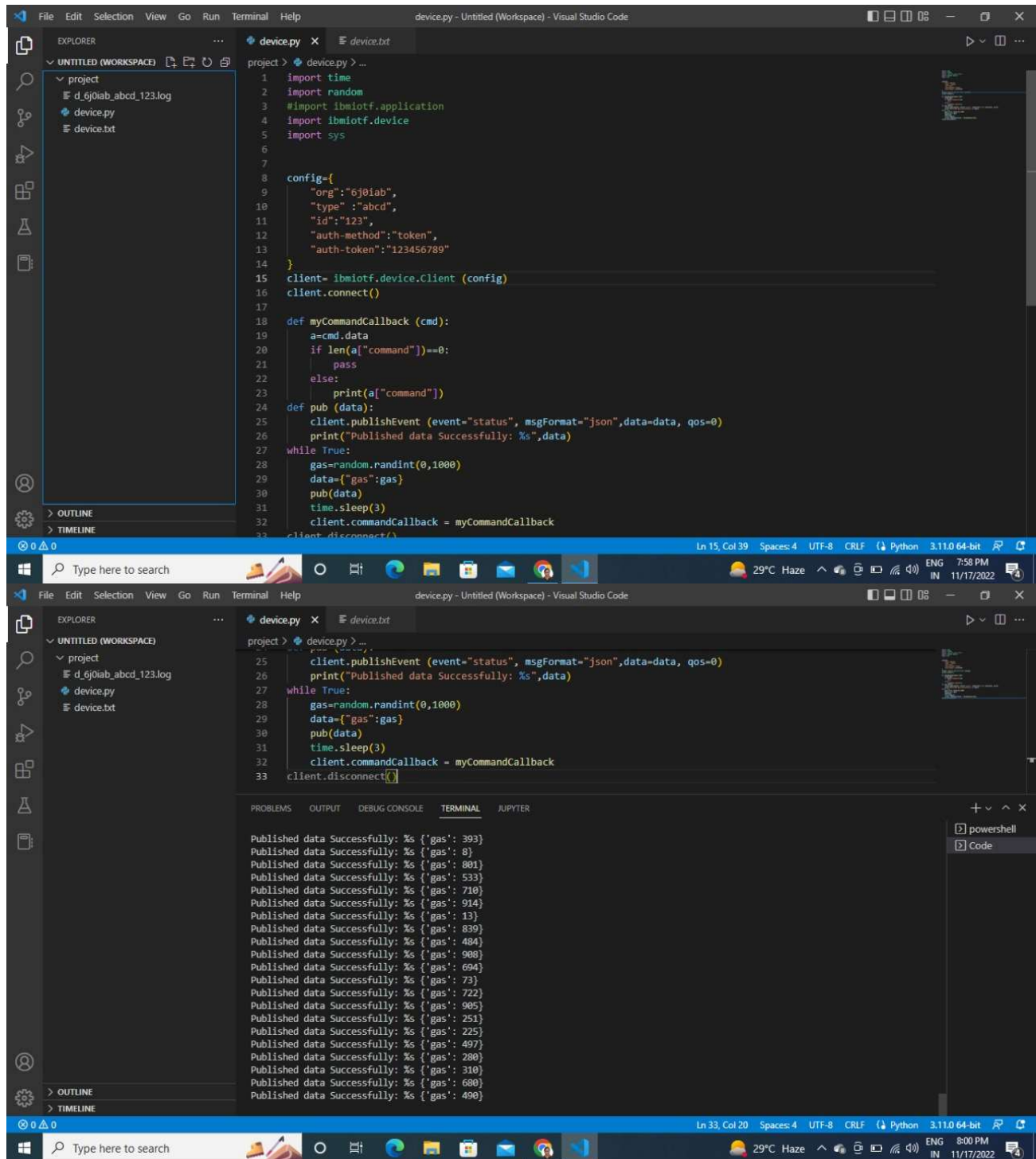
Team ID	PNT2022TMID21386
Project Name	Project – Gas Leakage Monitoring and Alerting System
Team members	Muthu Veni V ,Nandhini P, Senthilkumar C, Swetha k

PYTHON CODE:

```
import time
import random
#import ibmiotf.application
import ibmiotf.device
import sys
```

```
config={
    "org":"6j0iab",
    "type": "abcd",
    "id": "123",
    "auth-method": "token",
    "auth-token": "123456789"
}
client= ibmiotf.device.Client (config)
client.connect()
```

```
def myCommandCallback (cmd):
    a=cmd.data
    if len(a["command"])==0:
        pass
    else:
        print(a["command"])
def pub (data):
    client.publishEvent (event="status", msgFormat="json",data=data, qos=0)
    print("Published data Successfully: %s",data)
while True:
    gas=random.randint(0,1000)
    data={"gas":gas}
    pub(data)
    time.sleep(3)
    client.commandCallback = myCommandCallback
client.disconnect()
```



Service Details - IBM x IBM Watson IoT Platf x Node-RED : node-red x Node-RED Dashboard x (1) WhatsApp x New Tab x

6j0iab.internetofthings.ibmcloud.com/dashboard/devices/browse

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IBM Watson IoT Platform

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Add Device +

123 Connected abcd Device 17 Nov 2022 12:12

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	{"gas":347}	json	a few seconds ago
status	{"gas":586}	json	a few seconds ago
status	{"gas":185}	json	a few seconds ago
status	{"gas":650}	json	a few seconds ago
status	{"gas":795}	json	a few seconds ago

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