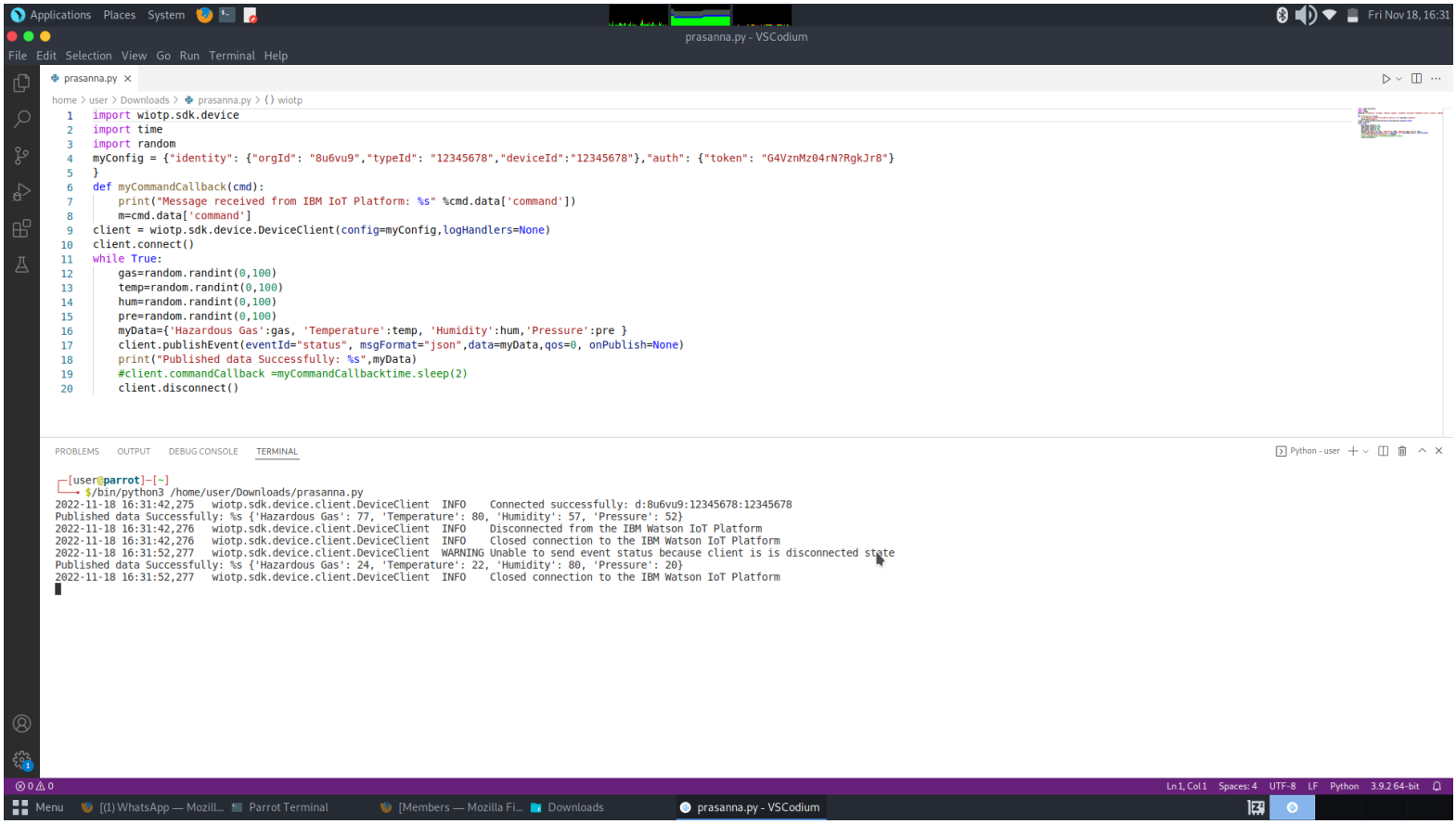
SPRINT 1
TEAM ID: PNT2022TMID11052

Gas Leakage Monitoring and Alerting System

PYTHON CODE:

```
import wiotp.sdk.device
import time
import random
myConfig = {"identity": {"orgId": "8u6vu9","typeId":
"12345678","deviceId":"12345678"},"auth": {"token": "G4VznMz04rN?RgkJr8"}
}
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:
gas=random.randint(0,100)
temp=random.randint(0,100)
hum=random.randint(0,100)
pre=random.randint(0,100)
myData={'Hazardous Gas':gas, 'Temperature':temp,
'Humidity':hum,'Pressure':pre }
 client.publishEvent(eventId="status", msgFormat="json",data=myData,qos=0,
onPublish=None)
 print("Published data Successfully: %s",myData)
 #client.commandCallback =myCommandCallbacktime.sleep(2)
client.disconnect()
```


Applications Places System
Fri Nov 18, 16:31
prasanna.py - VSCodium
File Edit Selection View Go Run Terminal Help
prasanna.py
home > user > Downloads > prasanna.py > {} wiotp
import wiotp.sdk.device
import time
import random
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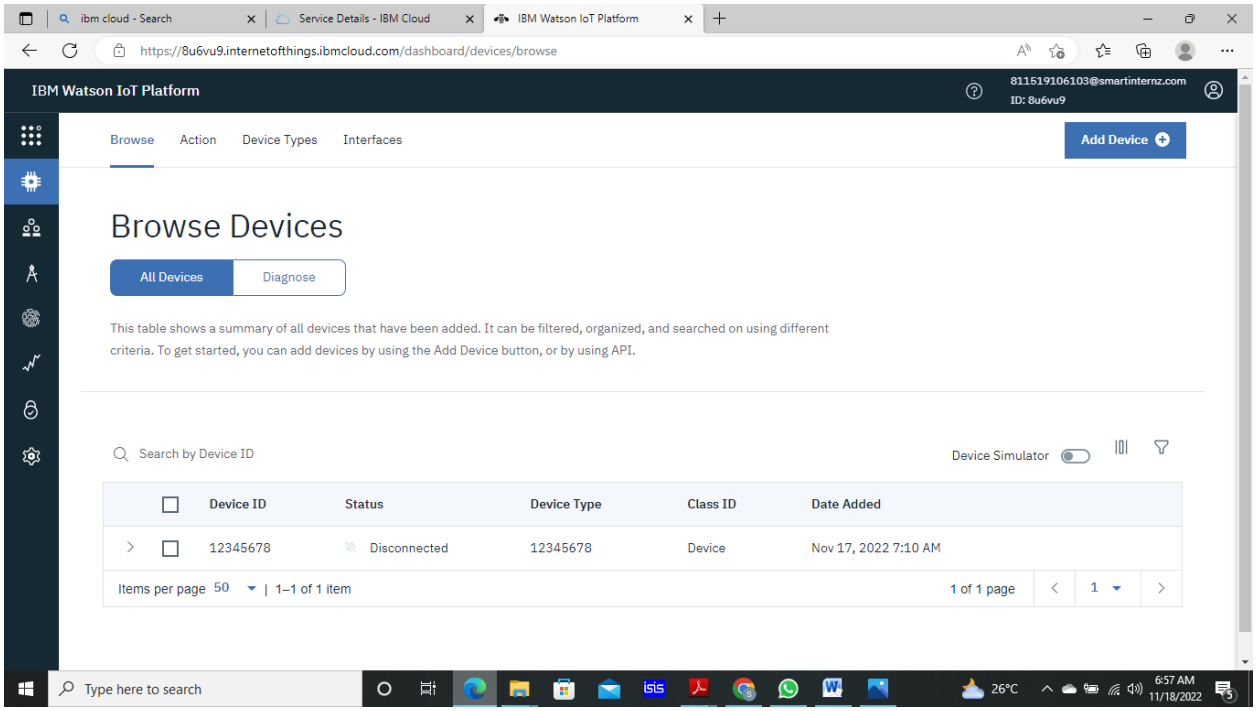
client.disconnect()
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Python - user
[user@parrot]-[~]
$/bin/python3 /home/user/Downloads/prasanna.py
2022-11-18 16:31:42,275 wiotp.sdk.device.client.DeviceClient INFO Connected successfully: d:8u6vu9:12345678:12345678
Published data Successfully: %s {'Hazardous Gas': 77, 'Temperature': 80, 'Humidity': 57, 'Pressure': 52}
2022-11-18 16:31:42,276 wiotp.sdk.device.client.DeviceClient INFO Disconnected from the IBM Watson IoT Platform
2022-11-18 16:31:42,276 wiotp.sdk.device.client.DeviceClient INFO Closed connection to the IBM Watson IoT Platform
2022-11-18 16:31:52,277 wiotp.sdk.device.client.DeviceClient WARNING Unable to send event status because client is is disconnected state
Published data Successfully: %s {'Hazardous Gas': 24, 'Temperature': 22, 'Humidity': 80, 'Pressure': 20}
2022-11-18 16:31:52,277 wiotp.sdk.device.client.DeviceClient INFO Closed connection to the IBM Watson IoT Platform
Ln 1, Col 1 Spaces: 4 UTF-8 LF Python 3.9.2 64-bit
Menu
[1] WhatsApp — Mozill...
Parrot Terminal
[Members — Mozilla Fi...
Downloads
prasanna.py - VSCodium


ibm cloud - Search
Service Details - IBM Cloud
IBM Watson IoT Platform
https://8u6vu9.internetofthings.ibmcloud.com/dashboard/devices/browse
IBM Watson IoT Platform
811519106103@smartinternz.com
ID: 8u6vu9
Browse
Action
Device Types
Interfaces
Add Device
Browse Devices
All Devices
Diagnose
This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.
Search by Device ID
Device Simulator
Device ID
Status
Device Type
Class ID
Date Added
12345678
Disconnected
12345678
Device
Nov 17, 2022 7:10 AM
Items per page 50
1–1 of 1 item
1 of 1 page
1
Type here to search
26°C
6:57 AM
11/18/2022