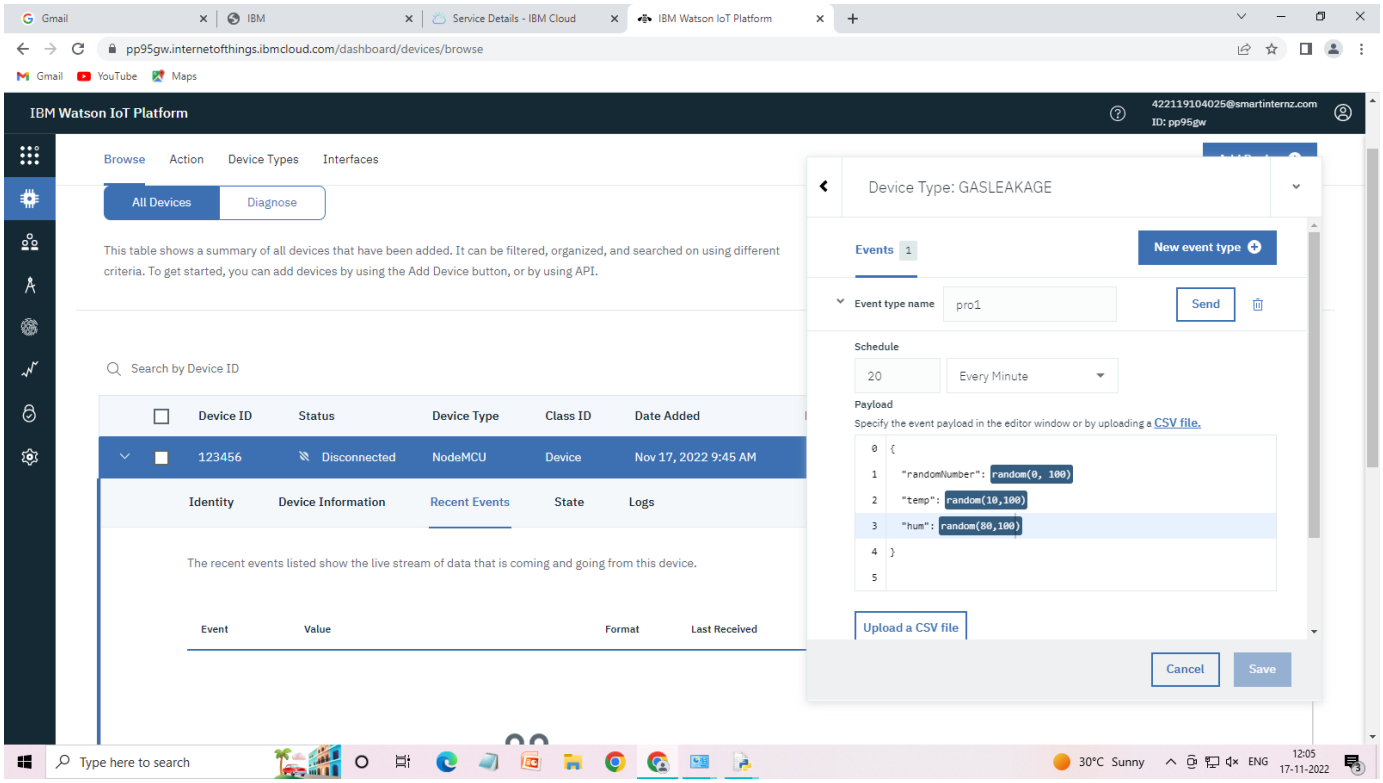
DEVELOP THE PYTHON CODE

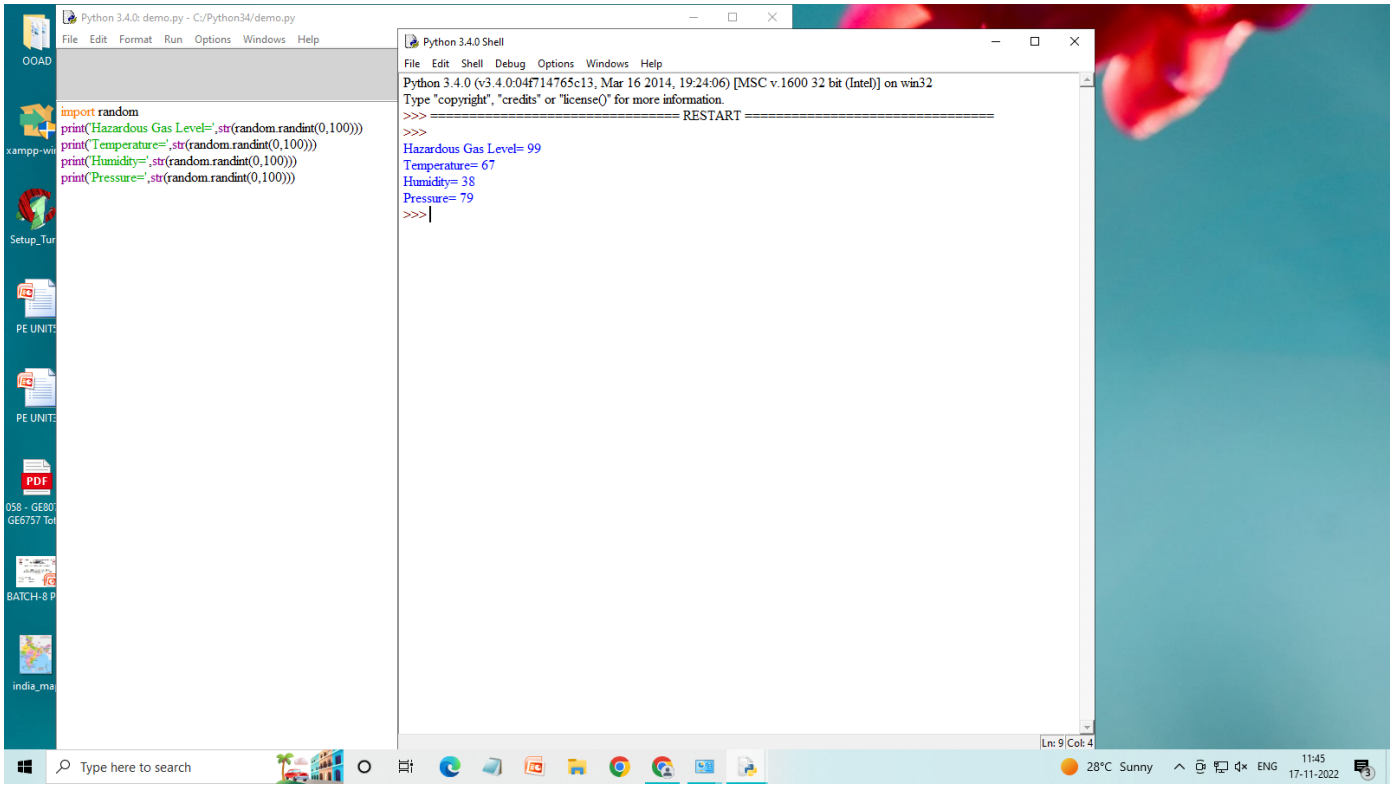
Date	17 November 2022
Team ID	PNT2022TMID39018
Project Name	Gas leakage monitoring and alerting system for industries

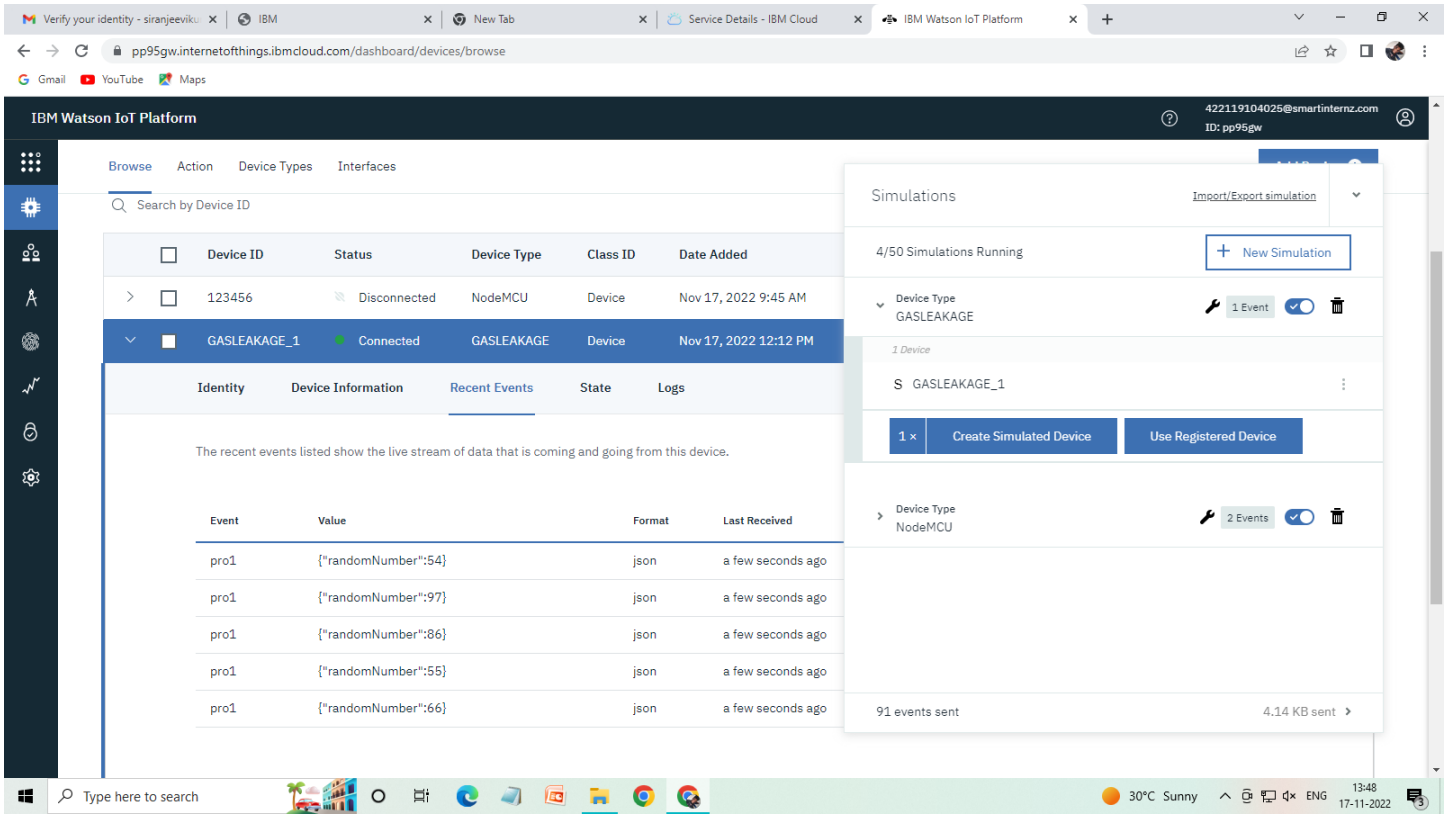
Source Code:

```
Import random
print('Hazardous Gas Level=',str(random.randint(0,100)))
print('Temperature=',str(random.randit(0,100)))
print('Humidity=',str(random.randit(0,100)))
print('Pressure=',str(random.randit(0,100)))
```

OUTPUT:


IBM Watson IoT Platform
Browse
Action
Device Types
Interfaces
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 ID
Status
Device Type
Class ID
Date Added
123456
Disconnected
NodeMCU
Device
Nov 17, 2022 9:45 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
Device Type: GASLEAKAGE
Events 1
New event type
Event type name
pro1
Send
Schedule
20
Every Minute
Payload
Specify the event payload in the editor window or by uploading a CSV file.
{
"randomNumber": random(0, 100)
"temp": random(10,100)
"hum": random(80,100)
}
Upload a CSV file
Cancel
Save


Python 3.4.0: demo.py - C:/Python34/demo.py
File Edit Format Run Options Windows Help
import random
print('Hazardous Gas Level=',str(random.randint(0,100)))
print('Temperature=',str(random.randint(0,100)))
print('Humidity=',str(random.randint(0,100)))
print('Pressure=',str(random.randint(0,100)))
Python 3.4.0 Shell
File Edit Shell Debug Options Windows Help
Python 3.4.0 (v3.4.0:04f714765c13, Mar 16 2014, 19:24:06) [MSC v.1600 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>> ========== RESTART ==========
>>>
Hazardous Gas Level= 99
Temperature= 67
Humidity= 38
Pressure= 79
>>>
Ln: 9 Col: 4


IBM Watson IoT Platform
Browse
Action
Device Types
Interfaces
Search by Device ID
Device ID
Status
Device Type
Class ID
Date Added
123456
Disconnected
NodeMCU
Device
Nov 17, 2022 9:45 AM
GASLEAKAGE_1
Connected
GASLEAKAGE
Device
Nov 17, 2022 12:12 PM
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
pro1
{"randomNumber":54}
json
a few seconds ago
pro1
{"randomNumber":97}
json
a few seconds ago
pro1
{"randomNumber":86}
json
a few seconds ago
pro1
{"randomNumber":55}
json
a few seconds ago
pro1
{"randomNumber":66}
json
a few seconds ago
Simulations
Import/Export simulation
4/50 Simulations Running
New Simulation
Device Type
GASLEAKAGE
1 Event
1 Device
GASLEAKAGE_1
1 ×
Create Simulated Device
Use Registered Device
Device Type
NodeMCU
2 Events
91 events sent
4.14 KB sent