PYTHON CODE

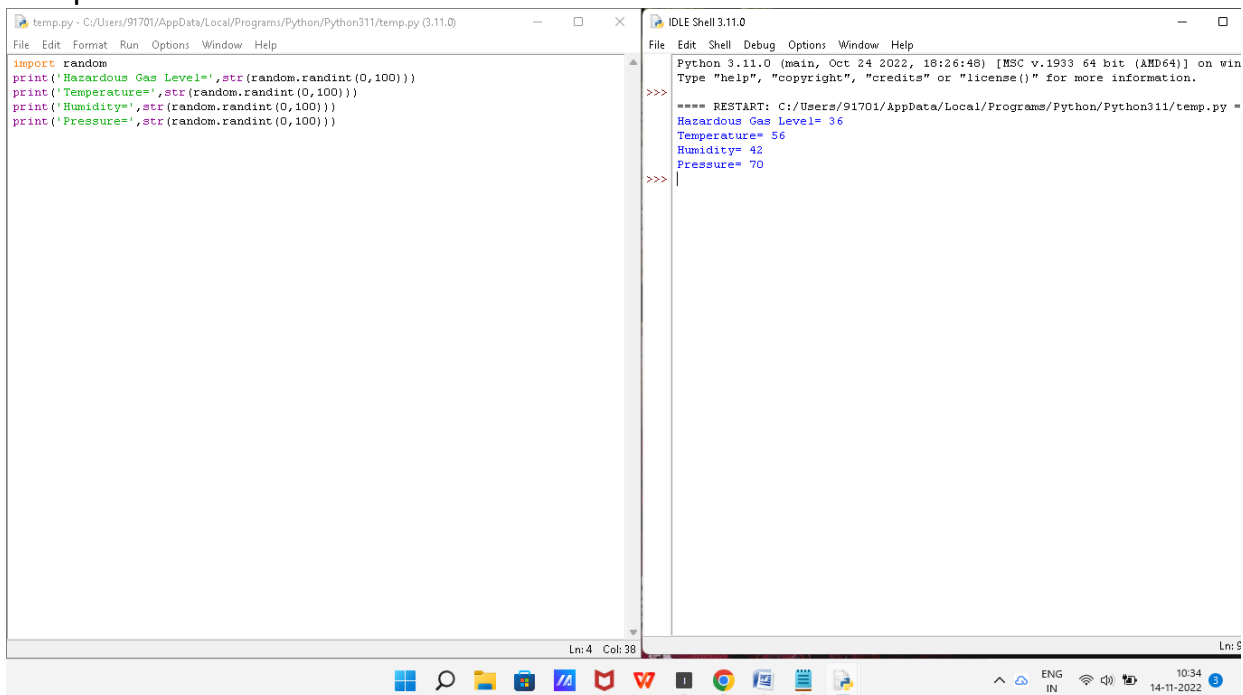| Team ID	PNT2022TMID29465
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

Source Code:

```python
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)))
```

Output:

Screenshot 1

Add Device ⊕

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using diff
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
⌄	☐	1234	⬙ Disconnected	GASLEAKAGE	Device	Nov

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.**

```
0  {
1      "randomNumber": random(0, 100),
2      "temp": random(10,88),
3      "hum": random(80,100)
4  }
5
```

Upload a CSV file

Cancel   **Save**

Screenshot 2

Add Device ⊕

		Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
⌄	■	1234	⬙ Disconnected	GASLEAKAGE	Device	Nov 11, 2022 10:20 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
pro1	{"randomNumber":16,"temp":23,"hum":92}	json	a few seconds ago
pro1	{"randomNumber":84,"temp":54,"hum":98}	json	a few seconds ago
pro1	{"randomNumber":88,"temp":19,"hum":83}	json	a few seconds ago
pro1	{"randomNumber":92,"temp":33,"hum":97}	json	a few seconds ago
pro1	{"randomNumber":43,"temp":83,"hum":87}	json	a few seconds ago

Items per page 50 ⌄ | 1–1 of 1 item

1 Simulation running