

PYTHON CODE

Team ID	PNT2022TMID45113
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

Source Code:

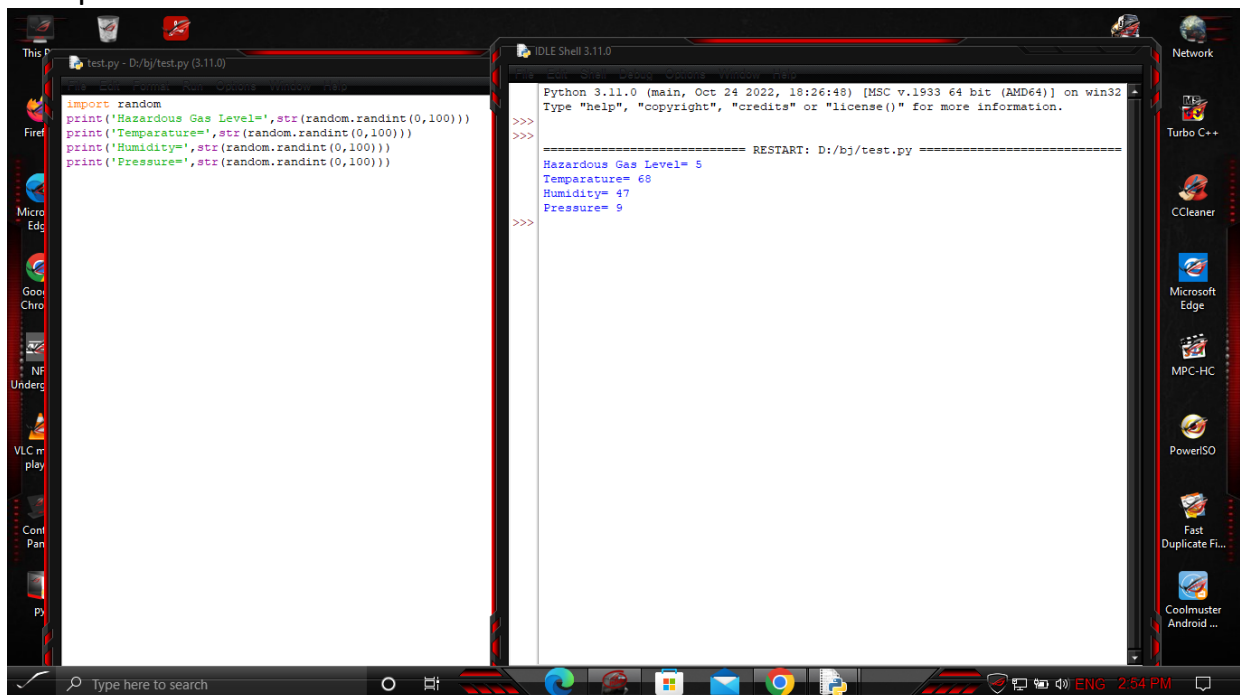
```
import random

print('Hazardous Gas Level=',str(random.randint(0,100)))
print('Temperature=',str(random.randint(0,100)))

print('Humidity=',str(random.randint(0,100)))

print('Pressure=',str(random.randint(0,100)))
```

Output:



The screenshot displays a Windows desktop environment. In the foreground, the IDLE Shell 3.11.0 window is open, showing the execution of a Python script. The script's output is as follows:

```
Python 3.11.0 (main, Oct 24 2022, 18:26:48) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: D:\bj/test.py =====
Hazardous Gas Level= 5
Temperature= 68
Humidity= 47
Pressure= 9
>>>
```

The background shows a desktop with various icons on the left and right sides, including 'This PC', 'Fire', 'Micro Edg', 'Goov Chro', 'NF Underg', 'VLC m play', 'Cont Pan', 'Py', 'Network', 'Turbo C++', 'CCleaner', 'Microsoft Edge', 'MPC-HC', 'PowerISO', 'Fast Duplicate Fi...', and 'Coolmuster Android ...'. The taskbar at the bottom includes a search bar, task view button, and several application icons. The system tray on the right shows the date and time as 'ENG - 2:54 PM'.

>		6789		Disconnected	GASLEAKAGE	Device	Nov 16, 2022 3:05 PM	
▼		GASLEAKAGE_2		Connected	GASLEAKAGE	Device	Nov 17, 2022 3:00 PM	→ ...

Identity
Device Information
Recent Events
State
Logs

X

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
event_1	{"randomNumber":62}	json	a few seconds ago
event_1	{"randomNumber":28}	json	a few seconds ago
event_1	{"randomNumber":11}	json	a few seconds ago
event_1	{"randomNumber":6}	json	a few seconds ago
event_1	{"randomNumber":28}	3 Simulations running	

3 Simulations running