

# PYTHON CODE

## (GAS,TEMPERATURE,HUMIDITY,PRESSURE)

Team ID	PNT2022TMID44431
Project Name	Gas Leakage Monitoring and Alerting System


```
import random

print('Hardous 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)))
```

A screenshot of a text editor window titled 'gas.py - C:/Users/ELCOT/AppData/Local/Programs/Python/Python310/gas.py (3.10.7)'. The window contains the same Python code as the previous block. The code is: 

```
import random
print('Hardous 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)))
```

 The editor has a menu bar with 'File', 'Edit', 'Format', 'Run', 'Options', 'Window', and 'Help'. The code is color-coded: 'import' is orange, 'random' is blue, 'print' is green, and string literals are red. The window has standard Windows window controls (minimize, maximize, close) in the top right corner.

```
IDLE Shell 3.10.7
File Edit Shell Debug Options Window Help
Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
==== RESTART: C:/Users/ELCOT/AppData/Local/Programs/Python/Python310/gas.py ====
Hardous Gas level= 59
temperature= 1
Humidity= 40
Pressure= 75
>>>
```

IBM Watson IoT Platform

Browse Action Device Types Interfaces

## Browse Devices

All Devices Diagnose

This table shows a summary of all devices that have been added. It can be filtered by different criteria. To get started, you can add devices by using the Add Device button.

Search by Device ID

Device ID	Status	Device Type
12345	Disconnected	gasleakage

Identity Device Information Recent Events

Device Type: gasleakage

Event type name: event\_1 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(0, 100),
3   "hum": random(0, 100)
4 }
5
```

Upload a CSV file Cancel Save