PYTHON CODE (GAS, TEMPERATURE, HUMIDITY, PRESSURE)

Date	12 NOVEMBER 2022
Team ID	PNT2022TMID14465
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

PYTHON 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:

v2g696.internetofthings.ibmcloud.com/dashboard/devices/browse

Browse   Action   Device Types   Interfaces   Add Device ⊕

	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
∨ ▪	12345	⌇ Disconnected	sairaj	Device	12 Nov 2022 11:07 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
event_2	{"Hazardous gas":34,"Temperature":42,"Humidit...	json	a few seconds ago
event_2	{"Hazardous gas":49,"Temperature":18,"Humidit...	json	a few seconds ago
event_2	{"Hazardous gas":57,"Temperature":34,"Humidit...	json	a few seconds ago
event_2	{"Hazardous gas":45,"Temperature":75,"Humidit...	json	a few seconds ago
event_2	{"Hazardous gas":14,"Temperature":36,"Humidit...	json	a few seconds ago

1 Simulation running

27°C Cloudy   ENG IN   23:12 12-11-2022

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v2g696.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform   211519106127@smartinternz.com   ID: v2g696

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, organized, and searched on using differe 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	
>	12345	⌇ Disconnected	sairaj	Device	
>	ultrasonic_sensor	⌇ Disconnected	ESP32_controller	Device	

Items per page 50 ▾ | 1–2 of 2 items

Device Type: sairaj

Events 1   New event type ⊕

∨ Event type name   event_2   Send 🗑

Schedule

60   Every Minute ▾

Payload
Specify the event payload in the editor window or by uploading a CSV file.

```
0  {
1      "Hazardous gas": random(0,100),
2      "Temperature": random(0,100),
3      "Humidity": random(0,100),
4      "Pressure": random(0,100)
5  }
```

Upload a CSV file

Cancel   Save

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