

## PYTHON CODE (GAS, TEMPERATURE, HUMIDITY, PRESSURE)

Date	3 NOVEMBER 2022
Team ID	PNT2022TMID15437
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

### PYTHON 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:



Browse

Action

Device Types

Interfaces

Add Device +

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 different criteria. To get started, you can add devices by using the Add Device button, or by using API.

Q Search by Device ID

Device Simulator ☒

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
<input checked="" type="checkbox"/>	ESP32_1	Connected	ESP32	Device	Nov 14, 2022 2:34 PM	

Identity

Device Information

Recent Events

State

Logs

Showing Raw Data | No Interfaces Available

Property	Value	Type	Event	Last Received
randomNumber	15	Number	event_1	5 Simulations running

Browse

Action

Device Types

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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_1	{"Hazardous Gas":57,"Temperature":98,"Humidity":...	json	a few seconds
event_1	{"Hazardous Gas":3,"Temperature":35,"Humidity":...	json	a few seconds
event_1	{"Hazardous Gas":69,"Temperature":74,"Humidity":...	json	a few seconds
event_1	{"Hazardous Gas":85,"Temperature":51,"Humidity":...	json	a few seconds
event_1	{"Hazardous Gas":92,"Temperature":35,"Humidity":...	json	a few seconds

Items per page: 50

1-1 of 1 item

Device Type: Nagarajan

Events 1

New event type +

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   "Hazardous Gas": random(0, 100)
2   "Temperature": random(0, 100)
3   "Humidity": random(0, 100)
4   "Pressure": random(0, 100)
5 }
6

```

Cancel Save