

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

<b>Date</b>	15 NOVEMBER 2022
<b>Team ID</b>	PNT2022TMID14913
<b>Project Name</b>	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:

IBM Watson IoT Platform

211519106127@smartinternz.com  
ID: v2g696

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

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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 different 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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