

Develop The Python code

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Team ID	PNT2022TMID09750
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

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

IBM-EPBL/IBM-Project-336

IBM App Development

IBM Watson IoT Platform

WhatsApp

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Browse

Action

Device Types

Interfaces

Browse Devices

All DevicesDiagnose

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	Details
>	15548	Disconnected	15548_device	Device	18
>	ESP32	Disconnected	ESP32_sensor	Device	15

Items per page 50 | 1-2 of 2 items

Device Type: 15548_device

Events 1

New event type

Event type name: event_1Send

Schedule20Every Minute

PayloadSpecify 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
```

CancelSave

Type here to search

05:04 PM19-11-2022

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shinedavid2002@gmail.com
ID: sbq7eg

Device ID Status Device Type Class ID Date Added Descriptive Location

15548 Disconnected 15548_device Device 18 Nov 2022 23:56

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":86,"Temperature":29,"Humidit...	json	a few seconds ago
event_1	("Hazardous gas":95,"Temperature":55,"Humidit...	json	a few seconds ago
event_1	("Hazardous gas":65,"Temperature":50,"Humidit...	json	a few seconds ago
event_1	("Hazardous gas":32,"Temperature":18,"Humidit...	json	a few seconds ago
event_1	("Hazardous gas":27,"Temperature":53,"Humidit...	json	a few seconds ago

1 Simulation running

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ID: sbq7eg

Device ID Status Device Type Class ID Date Added Descriptive Location

15548 Disconnected 15548_device Device 18 Nov 2022 23:56

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":38,"Temperature":69,"Humidity":75,"Pressure":4	json	a few seconds ago
event_1	("Hazardous gas":38,"Temperature":69,"Humidity":75,"Pressure":4	json	a few seconds ago
event_1	("Hazardous gas":38,"Temperature":69,"Humidity":75,"Pressure":4	json	a few seconds ago
event_1	("Hazardous gas":38,"Temperature":69,"Humidity":75,"Pressure":4	json	a few seconds ago
event_1	("Hazardous gas":38,"Temperature":69,"Humidity":75,"Pressure":4	json	a few seconds ago

Event Payload

Event Name event_1

Time Received 19 Nov 2022 17:05

```
1 {  
2   "Hazardous gas": 38,  
3   "Temperature": 69,  
4   "Humidity": 75,  
5   "Pressure": 4  
6 }
```

1 Simulation running