

PYTHON CODE (GAS, TEMPERATURE, HUMIDITY, PRESSURE)

Date	13 NOVEMBER 2022
Team ID	PNT2022TMID06118
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:

```
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)))
```

```
===== RESTART: E:\python\python code.py =====
Hazardous Gas Level= 46
Temperature= 31
Humidity= 74
Pressure= 96
>>> |
```

egd1of.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform 91761915001@smartinternz.com ID: egd1of

Browse Action Device Types Interfaces

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":50,"Temperature":3,"Humidity":100}	json	a few seconds ago
event_1	{"Hazardous Gas":88,"Temperature":30,"Humidity":100}	json	a few seconds ago
event_1	{"Hazardous Gas":90,"Temperature":6,"Humidity":100}	json	a few seconds ago
event_1	{"Hazardous Gas":18,"Temperature":45,"Humidity":100}	json	a few seconds ago
event_1	{"Hazardous Gas":0,"Temperature":57,"Humidity":100}	json	a few seconds ago

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Device Type: Abika

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

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Browse Action Device Types Interfaces **Add Device**

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":54,"Temperature":30,"Humidity":100}	json	a few seconds ago
event_1	{"Hazardous Gas":84,"Temperature":16,"Humidity":100}	json	a few seconds ago
event_1	{"Hazardous Gas":50,"Temperature":3,"Humidity":100}	json	a few seconds ago
event_1	{"Hazardous Gas":88,"Temperature":30,"Humidity":100}	json	a few seconds ago
event_1	{"Hazardous Gas":90,"Temperature":6,"Humidity":100}	json	a few seconds ago

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1 Simulation running