

PYTHON CODE

Date	12 NOVEMBER 2022
Team ID	PNT2022TMID35068
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)))
```

 pythoncde.py - C:/Users/kotur/AppData/Local/Programs/Python/Python311/pythoncde.py (3.11.0)

File Edit Format Run Options Window Help

```
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:

IDLE Shell 3.11.0

File Edit Shell Debug Options Window Help

```
Python 3.11.0 (main, Oct 24 2022, 18:26:48) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/kotur/AppData/Local/Programs/Python/Python311/python.exe =
Hazardous gas Level= 4
Temperature= 45
Humidity= 26
Pressure= 50
>>>
```

BM Watson IoT Platform

410719106050@smartinternz.com
ID: 6a4pr2

Browse Action Device Types Interfaces

Add Device +

Device ID	Status	Device Type	Class ID
12345	Disconnected	Node_1	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
status	{"temperature":70,"humidity":32}	json
status	{"temperature":107,"humidity":84}	json
status	{"temperature":77,"humidity":16}	json
status	{"temperature":10,"humidity":24}	json
status	{"temperature":30,"humidity":52}	json

Device Type: Node_1

Events 1

New event type +

Event type name event_1 Send

Schedule 60 Every Minute

Payload

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

```
0 {
1   "Hazardous gas Level": random(0, 100),
2   "Temperature": random(0, 100),
3   "Humidity": random(0, 100),
4   "PRESSURE": random(0, 100)
5 }
6
```

Cancel Save

6281 Disconnected esp32 Device Nov 7, 2022 9:51 AM

Python code was developed Successfully