

PYTHON CODE

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|--------------|---|
| Date | 11 NOVEMBER 2022 |
| Team ID | PNT2022TMID12116 |
| 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: 6a4pz2

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