

Gas Leakage monitoring & Alerting system for Industries

Date	5 November 2022
Team ID	PNT2022TMID33933
Project Name	Gas Leakage Monitoring And Alerting System For Industries

Python Code:

```
import random

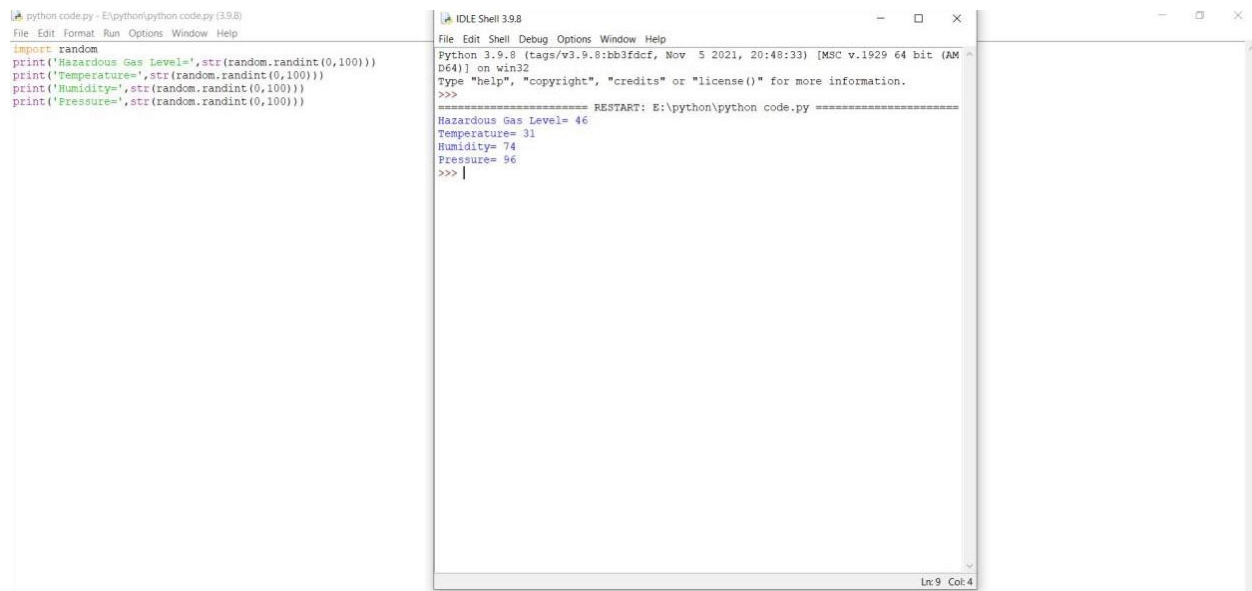
print('Hazardous Gas Level=',str(random.randint(0,100)))

print('Temperature=',str(random.randint(0,100)))

print('Humidity=',str(random.randint(0,100)))

print('Pressure=',str(random.randint(0,100)))
```

Output:

The image shows a screenshot of a Python IDE with two windows. The left window displays the source code for a gas monitoring system, and the right window shows the output of the program.

```
python code.py - E:\python\python code.py (3.9.8)
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)))
```

```
IDLE Shell 3.9.8
File Edit Shell Debug Options Window Help
Python 3.9.8 (tags/v3.9.8:bb3fddf, Nov  5 2021, 20:48:33) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: E:\python\python code.py =====
Hazardous Gas Level= 46
Temperature= 31
Humidity= 74
Pressure= 96
>>> |
```

IBM Watson IoT Platform

elphinosnell2001@gmail.com
ID: ctnbb5

Browse Action Device Types Interfaces

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
eventflow	{"Gas":87,"temperature":12,"humidity":65,"pres...	json	a few seconds ago
eventflow	{"Gas":79,"temperature":89,"humidity":11,"pres...	json	a few seconds ago
eventflow	{"Gas":58,"temperature":10,"humidity":86,"pres...	json	a few seconds ago
eventflow	{"Gas":58,"temperature":13,"humidity":59,"pres...	json	a minute ago
eventflow	{"Gas":20,"temperature":47,"humidity":49,"pres...	json	a minute ago

1 Simulation running

IBM Watson IoT Platform

elphinosnell2001@gmail.com
ID: ctnbb5

Browse Action Device Types Interfaces

The recent events listed show the live stream of data that is coming and going

Event	Value
eventflow	{"Gas":79,"temperature":89,"humidity":11,"pres...
eventflow	{"Gas":58,"temperature":10,"humidity":86,"pres...
eventflow	{"Gas":58,"temperature":13,"humidity":59,"pres...
eventflow	{"Gas":20,"temperature":47,"humidity":49,"pres...

Items per page 50 | 1-2 of 2 items

Device Type: Amigos

Event type name eventflow Send

Schedule 1 Every Minute

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

```
0 {  
1 "Gas": random(0, 100),  
2 "temperature": random(0, 100),  
3 "humidity": random(0, 100),  
4 "pressure": random(0, 100),  
5 }  
6
```

Cancel Save

1 of 1 page