

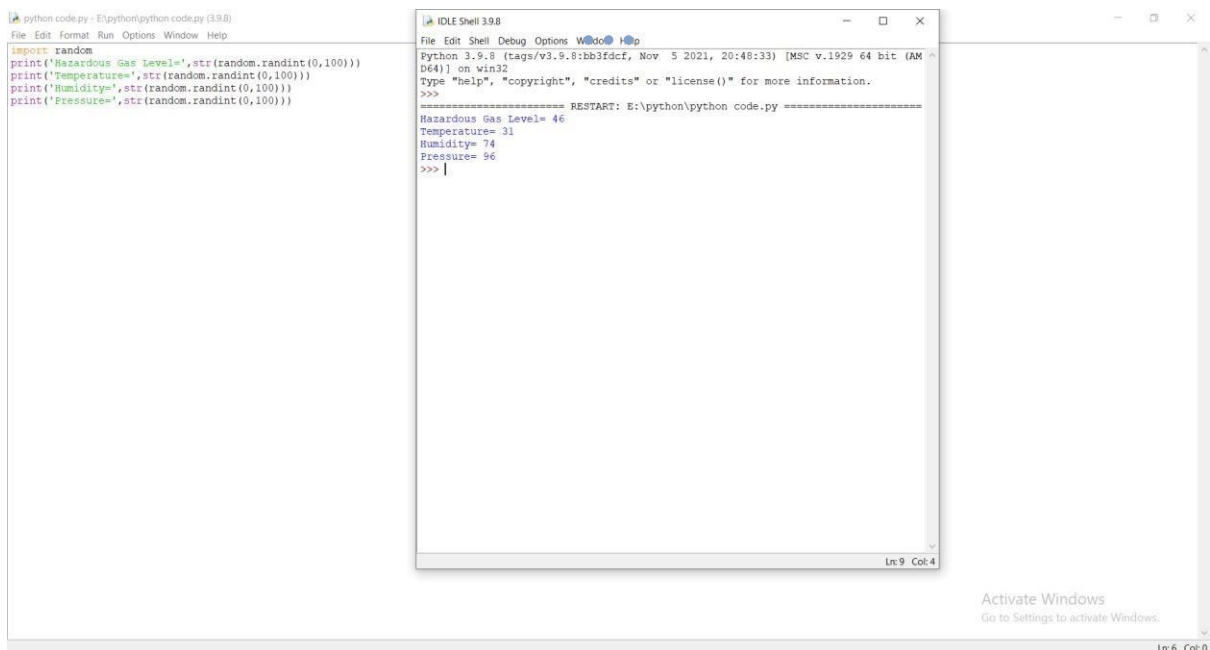
PYTHON CODE (GAS, TEMPERATURE, HUMIDITY, PRESSURE)

Date	10 NOVEMBER 2022
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 screenshot shows two windows from the IDLE 3.9.8 environment. The left window, titled 'python code.py - E:\python\python code.py (3.9.8)', contains the Python code for generating random values for Gas Level, Temperature, Humidity, and Pressure. The right window, titled 'IDLE Shell 3.9.8', shows the output of the code execution. The output displays the generated values: Hazardous Gas Level= 46, Temperature= 31, Humidity= 74, and Pressure= 96. The shell also shows the standard Python startup messages and a restart command.

```
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:bb3fdecf, 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
>>> |
```

Browse Action Device Types Interfaces Add Device

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
<input checked="" type="checkbox"/>	12345	Disconnected	Nagarajan	Device	Oct 31, 2022 11:38 AM	→ ...

Identity

Device Information

Recent Events

State

Logs

X

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":61,"Temperature":88,"Humidit...	json	a few seconds ago
event_1	{"Hazardous Gas":20,"Temperature":36,"Humidit...	json	a few seconds ago
event_1	{"Hazardous Gas":79,"Temperature":56,"Humidit...	json	a few seconds ago
event_1	{"Hazardous Gas":52,"Temperature":82,"Humidit...	json	a few seconds ago
event_1	{"Hazardous Gas":26,"Temperature":33,"Humidit...	json	a few seconds ago

1 Simulation running

Activate Windows
Go to Settings to activate Windows.