

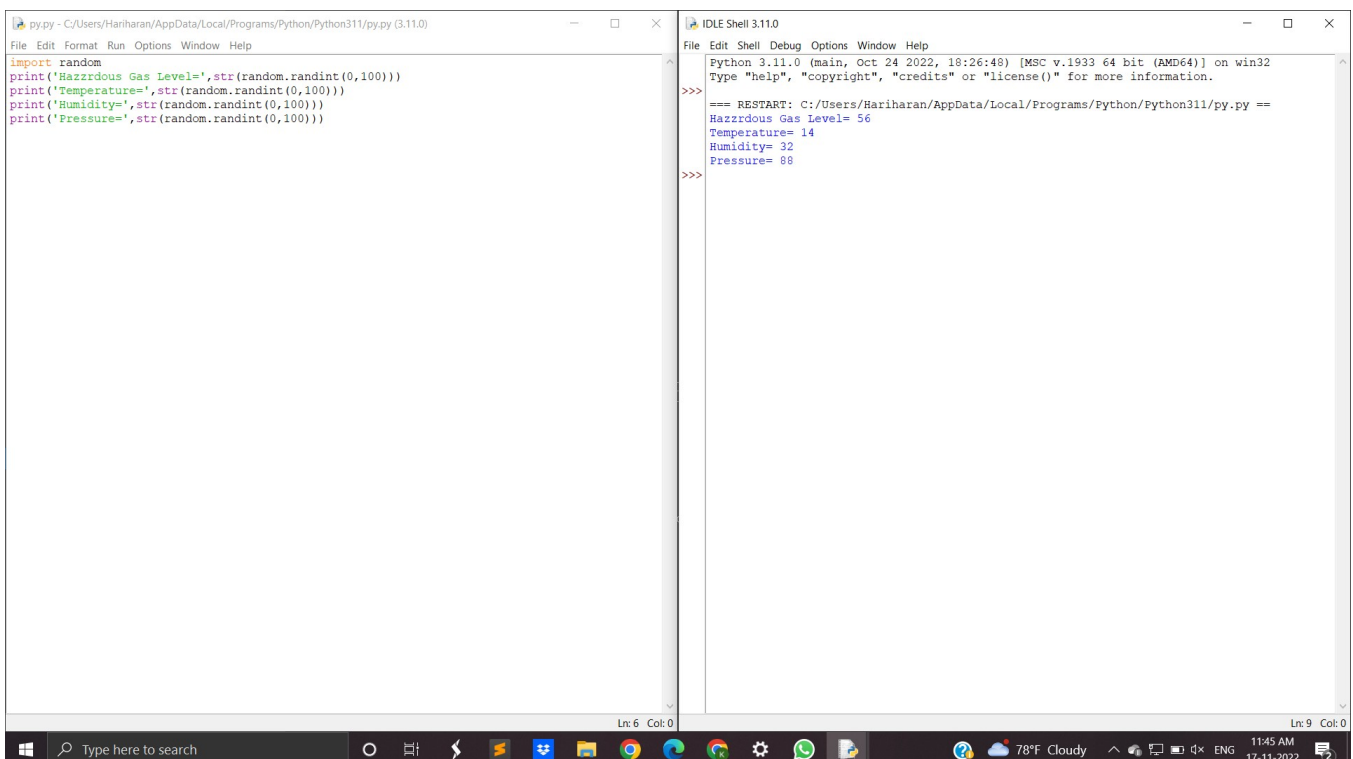
## PYTHON CODE (GAS, TEMPERATURE, HUMIDITY, PRESSURE)

Date	19 NOVEMBER 2022
Team ID	PNT2022TMID47860
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, titled 'py.py', contains the Python code for generating random values for Gas Level, Temperature, Humidity, and Pressure. The right window, titled 'IDLE Shell 3.11.0', shows the output of the code execution. The output displays the generated values: Hazardous Gas Level= 56, Temperature= 14, Humidity= 32, and Pressure= 88. The status bar at the bottom indicates the current line and column numbers for both windows.

```
py.py - C:/Users/Hariharan/AppData/Local/Programs/Python/Python311/py.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)))

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/Hariharan/AppData/Local/Programs/Python/Python311/py.py ===
Hazardous Gas Level= 56
Temperature= 14
Humidity= 32
Pressure= 88
>>>
```

IBM Watson IoT Platform

?

927619bec4085@smartinternz.com

ID: f5ut59

Browse

Action

Device Types

Interfaces

Add Device

Q

Search by Device ID

Device Simulator

101

	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location	Added By	
	19998	Disconnected	NodeMCU	Device	14 Nov 2022 11:45 PM		927619bec4085@smartinternz.com	→ ...

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":21,"Temperature":63,"Humidity":...	json	a few seconds ago
event_1	{"Hazardous Gas":18,"Temperature":97,"Humidity":...	json	a few seconds ago
event_1	{"Hazardous Gas":64,"Temperature":1,"Humidity":...	json	a few seconds ago
event_1	{"Hazardous Gas":33,"Temperature":2,"Humidity":...	json	a few seconds ago
event_1	{"Hazardous Gas":30,"Temperature":73,"Humidity":...	json	a few seconds ago

1 Simulation running

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Browse

Action

Device Types

Interfaces

Browse Devices

All Devices

Diagnose

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

Q

Search by Device ID

	Device ID	Status	Device Type	Class ID	Date Added
	19998	Disconnected	NodeMCU	Device	14 Nov 2022 11:4

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
-------	-------	--------	---------------

Device Type: NodeMCU

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 }

Upload a CSV file

Cancel

Save

2