

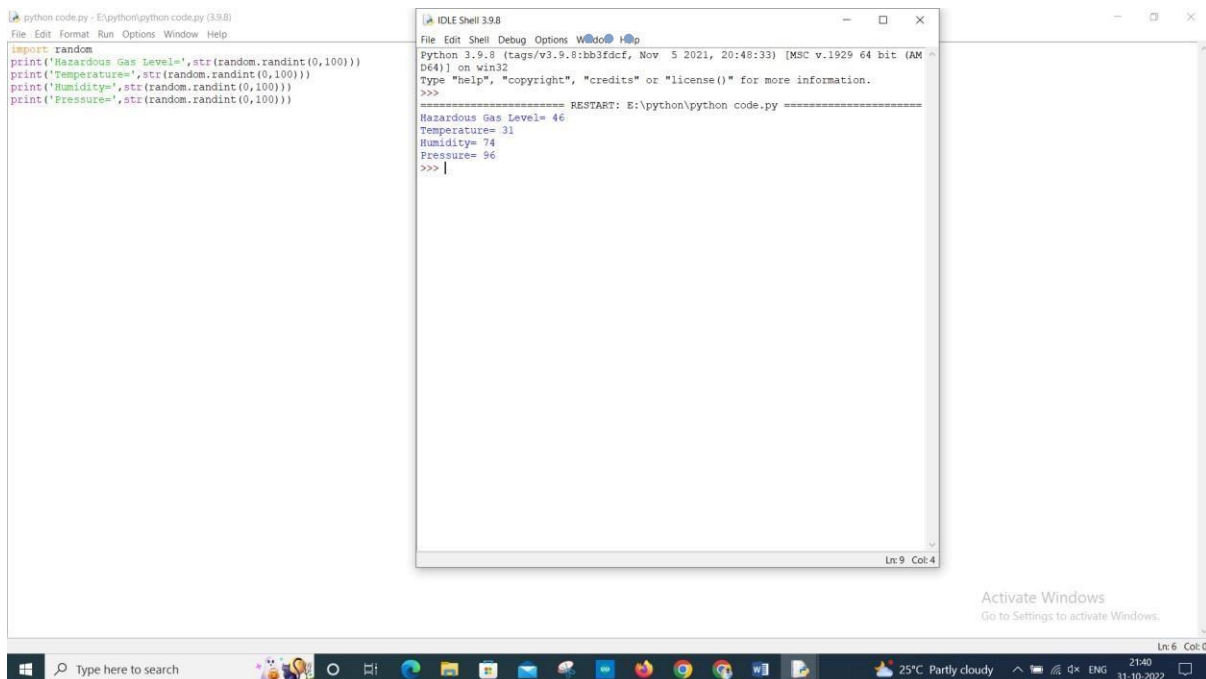
# PYTHON CODE (GAS, TEMPERATURE, HUMIDITY& PRESSURE)

Date	7 NOVEMBER 2022
Team ID	PNT2022TMID15063
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 displays a Windows desktop environment. On the left, a text editor window titled 'python code.py - E:\python\python code.py (3.9.8)' contains the following 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)))
```

On the right, the 'IDLE Shell 3.9.8' window shows the output of the code execution:

```
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
>>> |
```

The Windows taskbar at the bottom shows the search bar, task view button, and several application icons. The system tray on the right indicates the weather as '25°C Partly cloudy' and the date as '31-10-2022'.

IBM Watson IoT Platform

953619106022@ritrjpm.ac.in  
ID: w3irvk

Browse Action Device Types Interfaces

ADD Device

GOT\_1 Connected GOT Device Nov 12, 2022 4:48 PM

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":1,"Temperature":96,"Humidity":...	json	a few seconds ago
event_1	{"Hazardous gas":14,"Temperature":31,"Humidit...	json	a few seconds ago
event_1	{"Hazardous gas":42,"Temperature":95,"Humidit...	json	a few seconds ago
event_1	{"Hazardous gas":21,"Temperature":89,"Humidit...	json	a few seconds ago
event_1	{"Hazardous gas":55,"Temperature":56,"Humidit...	json	a few seconds ago

Items per page 50 | 1-3 of 3 items

1 of 1 page

1 Simulation running

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953619106022@ritrjpm.ac.in  
ID: w3irvk

Browse Action Device Types Interfaces

Search by Device ID

Device ID	Status	Device Type	Class ID	Date
1234	Disconnected	GOT	Device	Nov 12, 2022 4:48 PM
12345	Disconnected	Goms	Device	Nov 12, 2022 4:48 PM
GOT_1	Connected	GOT	Device	Nov 12, 2022 4:48 PM

Identity Device Information Recent Events State Logs

Diagnostic Logs

A list of device errors and timestamps detailing when the error occurred.

Severity Message Timestamp

Device Type: GOT

Events 1 Device actions

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 }
6

```

Cancel Save

Token auth succeeded: ClientID=d:w3irvk:GOT:... Nov 12, 2022 4:48 PM