

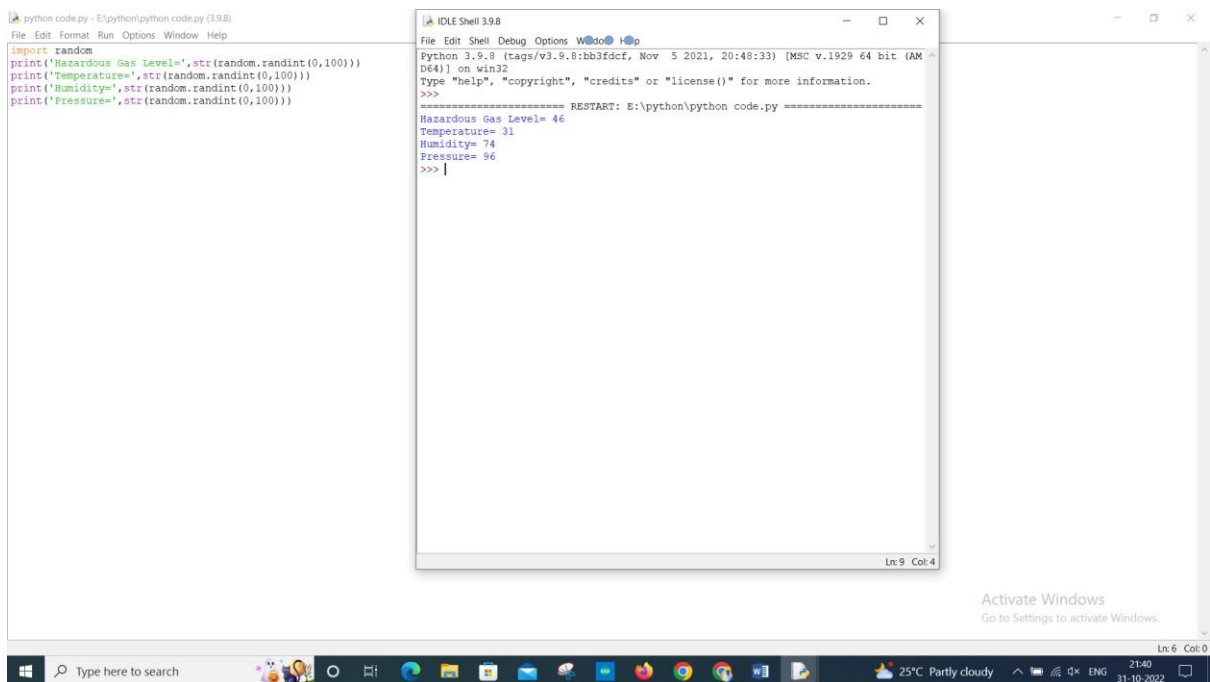
PYTHON CODE (GAS, TEMPERATURE, HUMIDITY, PRESSURE)

Date	18 NOVEMBER 2022
Team ID	PNT2022TMID17427
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 Python IDE with two windows. The left window, titled 'python code.py - E:\python\python code.py (3.9.8)', contains the following 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)))
```

The right window, titled 'IDLE Shell 3.9.8', shows the output of the code after execution:

```
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
>>> |
```

The Windows taskbar at the bottom shows the date and time as 21:40 on 31-10-2022, and the weather as 25°C Partly cloudy.

The screenshot displays the EdgeX Foundry web interface. At the top, there's a navigation bar with tabs: "Browse", "Action", "Device Types", and "Interfaces". An "Add Device" button is located on the right. Below the navigation bar, a table lists devices. The selected device is "Nagarajan", which has a status of "Disconnected" and was added on "Oct 31, 2022 11:38 AM".

Below the device list, the "Recent Events" tab is active. It shows a message: "The recent events listed show the live stream of data that is coming and going from this device." A table below this message lists five recent events:

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

In the bottom right corner, there is a Windows notification area with the text: "Activate Windows Go to Settings to activate Windows."