

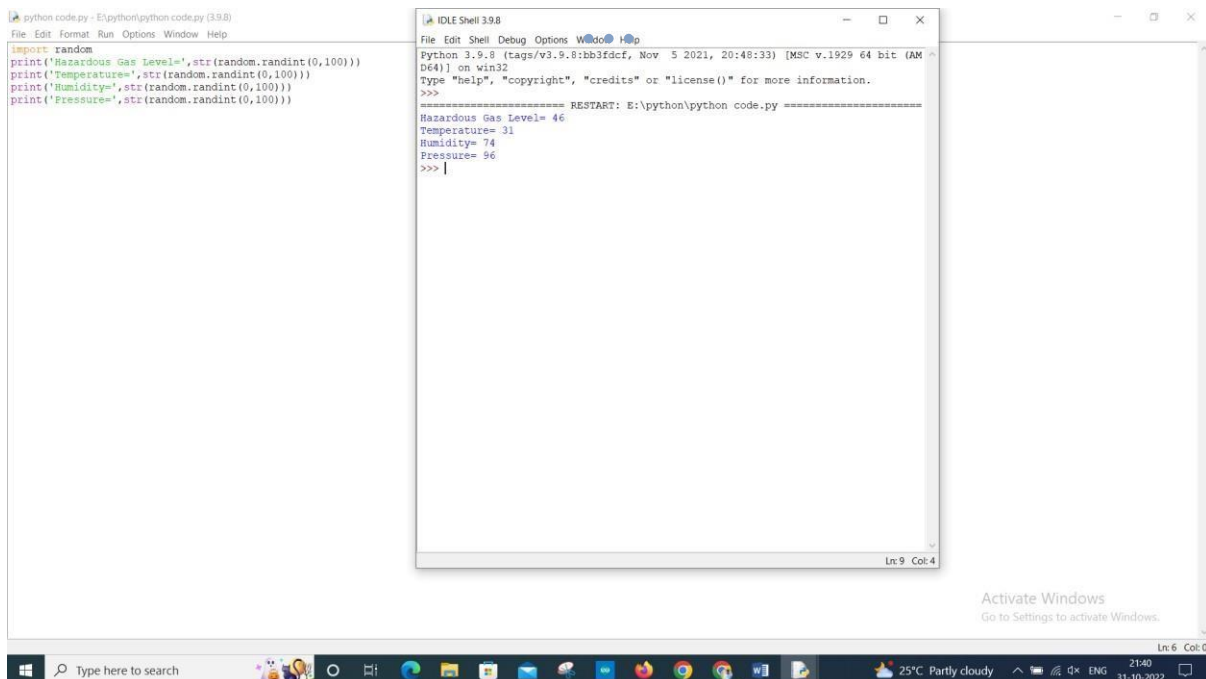
PYTHON CODE (GAS, TEMPERATURE, HUMIDITY, PRESSURE)

Date	3 NOVEMBER 2022
Team ID	PNT2022TMID30535
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', 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 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 date as 31-10-2022 and the time as 21:40.

IBM Watson IoT Platform

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.

Search by Device ID

Device Simulator ☒

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
ESP32_1	Connected	ESP32	Device	Nov 14, 2022 2:34 PM	

Identity Device Information Recent Events State Logs

Showing Raw Data | No Interfaces Available

Property	Value	Type	Event	Last Received
randomNumber	15	Number	event_1	5 Simulations running

14:48 14-11-2022

IBM Watson IoT Platform

Browse Action Device Types Interfaces

Device Type: Nagarajan

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 }
6

```

Cancel Save

Items per page 50 | 1-1 of 1 item

14:48 14-11-2022