

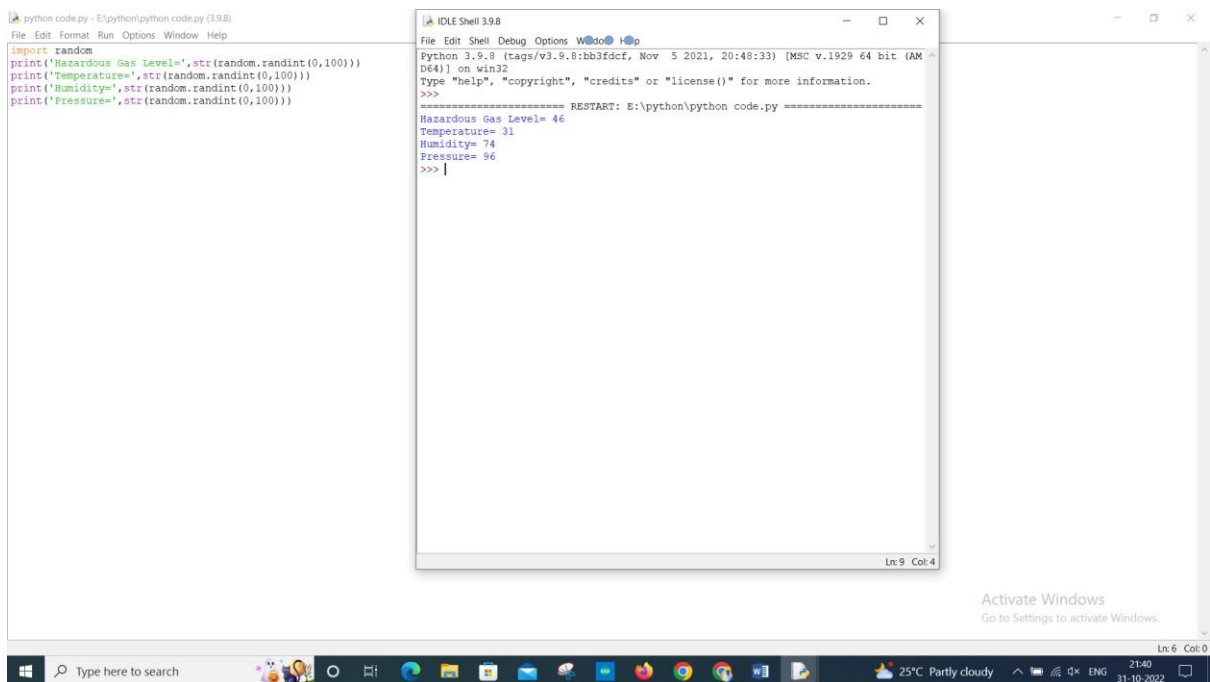
PYTHON CODE (GAS, TEMPERATURE, HUMIDITY, PRESSURE)

Date	3 NOVEMBER 2022
Team ID	PNT2022TMID05250
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 (IDLE 3.9.8) with two windows. 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: 'Hazardous Gas Level= 46', 'Temperature= 31', 'Humidity= 74', and 'Pressure= 96'. The output is displayed in a shell window with a prompt 'Python 3.9.8 (tags/v3.9.8:bb3fdef, Nov 5 2021, 20:48:33) [MSC v.1929 64 bit (AMD64)] on win32'. The status bar at the bottom indicates 'Ln: 9 Col: 4' and 'Ln: 6 Col: 0'. The Windows taskbar at the bottom shows the date and time as '21:40 31-10-2022' and the weather as '25°C. Partly cloudy'.

IBM Watson IoT Platform

nagarajan2002s@psnacet.edu.in
ID: zurssx

Browse

Action

Device Types

Interfaces

Add Device

Device ID

Status

Device Type

Class ID

Date Added

Descriptive Location

12345

Disconnected

Nagarajan

Device

Oct 31, 2022 11:38 AM

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":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.

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Browse

Action

Device Types

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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":57,"Temperature":98,"Humidit...	json	a few seconds ago
event_1	{"Hazardous Gas":3,"Temperature":35,"Humidity...	json	a few seconds ago
event_1	{"Hazardous Gas":69,"Temperature":74,"Humidit...	json	a few seconds ago
event_1	{"Hazardous Gas":85,"Temperature":51,"Humidit...	json	a few seconds ago
event_1	{"Hazardous Gas":92,"Temperature":35,"Humidit...	json	a few seconds ago

Items per page: 50 | 1-1 of 1 item

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