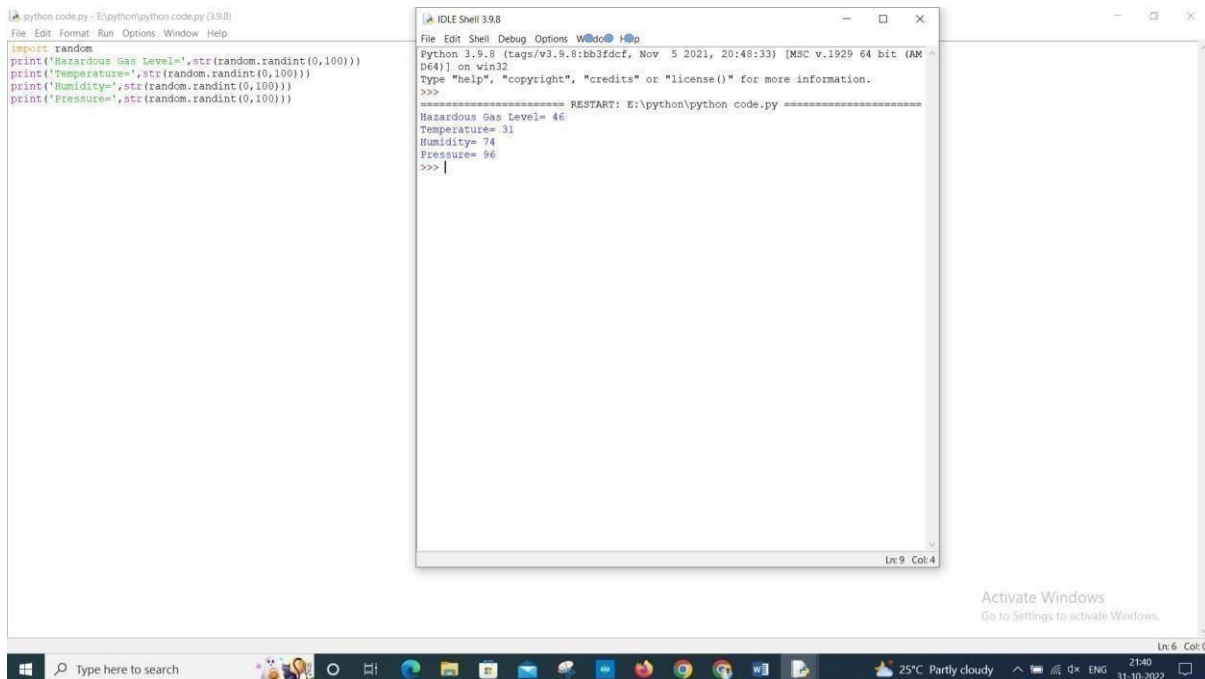


DEVELOP THE PYTHON CODE

Team ID:	PNT2022TMID06422
Project Name:	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES
BATCH MEMBERS:	GIDEON DURAI.P GOWTHAM.S HARI KRISHNAN.S JAYABAL.V

PYTHON CODE import random
print('Random number
=,str(random.randint(0,100)))
print('Temperature=,str(random.randint(0,100)))
print('Humidity=,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: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 and time as 21:40 on 31-10-2022, and the system status as 25°C Partly cloudy.

IBM Watson IoT Platform

130719106304@smartintertez.com
ID: 1bj25c

Browse Action Device Types

Search by Device ID

Device ID

12345_1

Identity Device

The recent events listed

Event Value

event_1 [{"randomNumber": 67, "temp": 57, "hum": 92}]

Time Received Nov 2, 2022 3:07 PM

Event Name event_1

1 Simulation running

26°C Rain to stop

ENG IN 15:08 02-11-2022

IBM Watson IoT Platform

130719106304@smartintertez.com
ID: 1bj25c

Browse Action Device Types Interfaces

Device ID Status Device Type Class ID Date Added

12345_1 Connected 12345 Device Nov 2, 2022 3:06 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	{"randomNumber":98,"temp":45,"hum":85}	json	a few seconds ago
event_1	{"randomNumber":80,"temp":47,"hum":95}	json	a few seconds ago
event_1	{"randomNumber":42,"temp":67,"hum":91}	json	a few seconds ago
event_1	{"randomNumber":95,"temp":43,"hum":86}	json	a few seconds ago
event_1	{"randomNumber":74,"temp":50,"hum":91}	json	a few seconds ago

1 Simulation running

26°C Rain to stop

ENG IN 15:08 02-11-2022