

PYTHON CODE

Team ID	PNT2022TMID16099
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

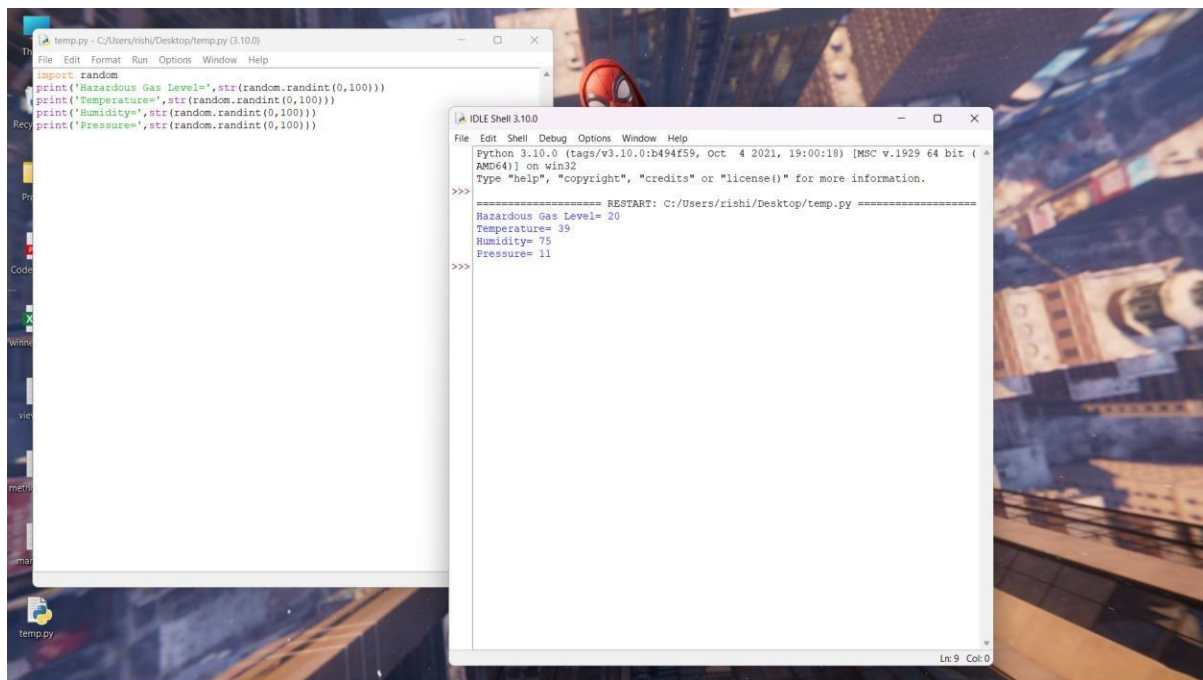
Source Code:

```
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 with a Spider-Man wallpaper. In the foreground, the IDLE Shell 3.10.0 window is open, showing the execution of a Python script. The script's output is as follows:

```
Python 3.10.0 (tags/v3.10.0:b494f59, Oct 4 2021, 19:00:18) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/rishi/Desktop/temp.py =====
Hazardous Gas Level= 20
Temperature= 39
Humidity= 75
Pressure= 11
>>>
```

The background window shows the source code of the script:

```
temp.py - C:/Users/rishi/Desktop/temp.py (3.10.0)
File Edit Format Run Options Window Help
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)))
```

IBM Watson IoT Platform

Device Type: testdevice1

Events 1

New event type +

Event type name event_1 Send

Schedule 60 Every Minute

Payload

Specify the event payload in the editor window or by uploading a CSV file.

```
0 {
1  "randomNumber": random(0, 100)
2 }
3
```

Upload a CSV file

What functions can I apply?

Device ID	Status	Device Type
123	Disconnected	testdevice1

Identity Device Information Recent Events

Device ID 123

Device Type testdevice1

Date Added 17 Nov 2022 12:07

Added By 111719106080@smartinternz.co

Connection Status Disconnected

Items per page 50 | 1-1 of 1 item

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27°C Haze

12:10 PM 11/17/2022