

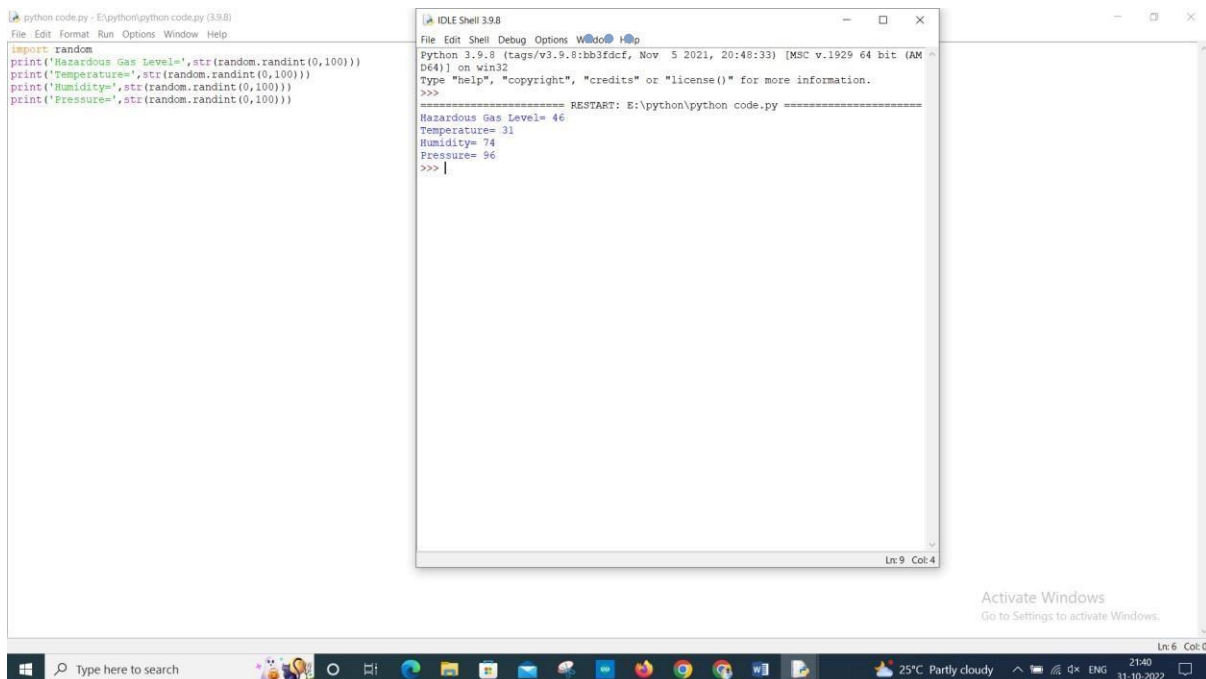
PYTHON CODE (GAS, TEMPERATURE, HUMIDITY, PRESSURE)

| | |
|--------------|-----------------------------------------------------------|
| Date | 9 NOVEMBER 2022 |
| Team ID | PNT2022TMID05192 |
| 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 Windows desktop environment. In the foreground, the 'IDLE Shell 3.9.8' window is open, showing the output of a Python script. The script has been executed, and the results are displayed as follows:

```
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  
>>> |
```

In the background, the 'python code.py' window is visible, showing the source code of the script:

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

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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,"Humidity":...} | 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,"Humidity":...} | json | a few seconds ago |
| event_1 | {"Hazardous Gas":85,"Temperature":51,"Humidity":...} | json | a few seconds ago |
| event_1 | {"Hazardous Gas":92,"Temperature":35,"Humidity":...} | json | a few seconds ago |

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