

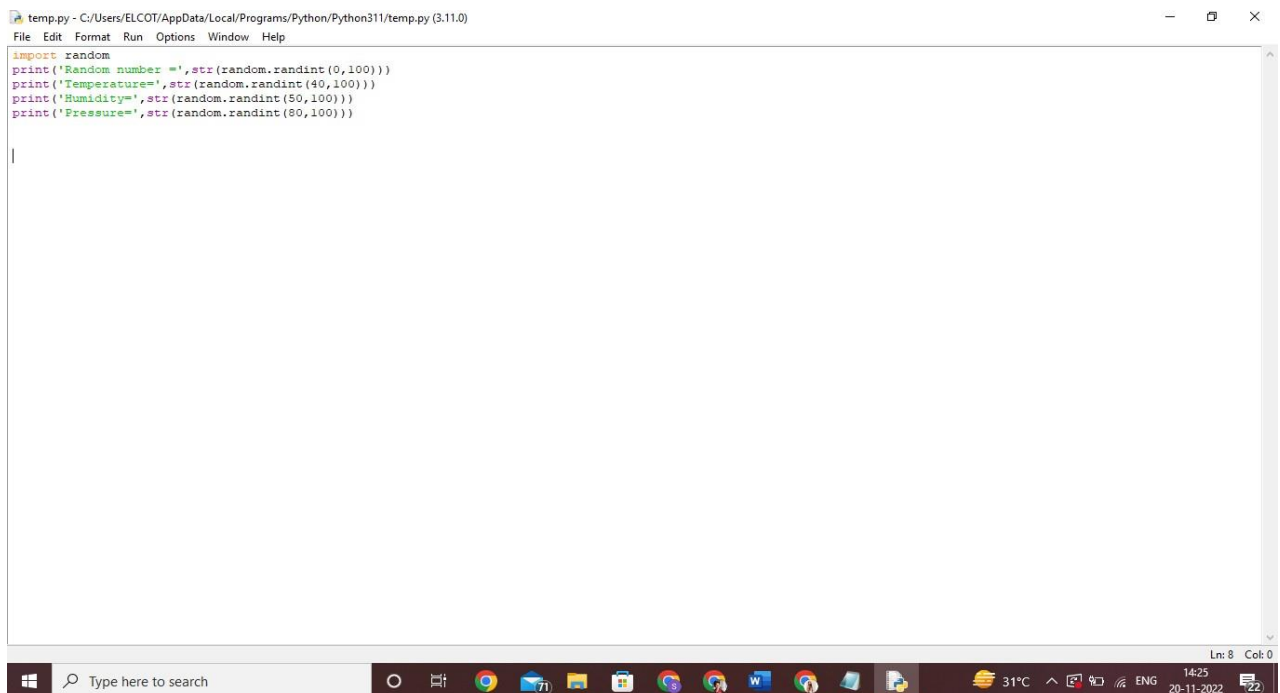
# PYTHON CODE (GAS, TEMPERATURE, HUMIDITY, PRESSURE)

<b>Date</b>	<b>19 November 2022</b>
<b>Team ID</b>	<b>PNT2022TMID38324</b>
<b>Project Name</b>	<b>Gas Leakage Monitoring and Alerting System</b>

## *PYTHON CODE:*

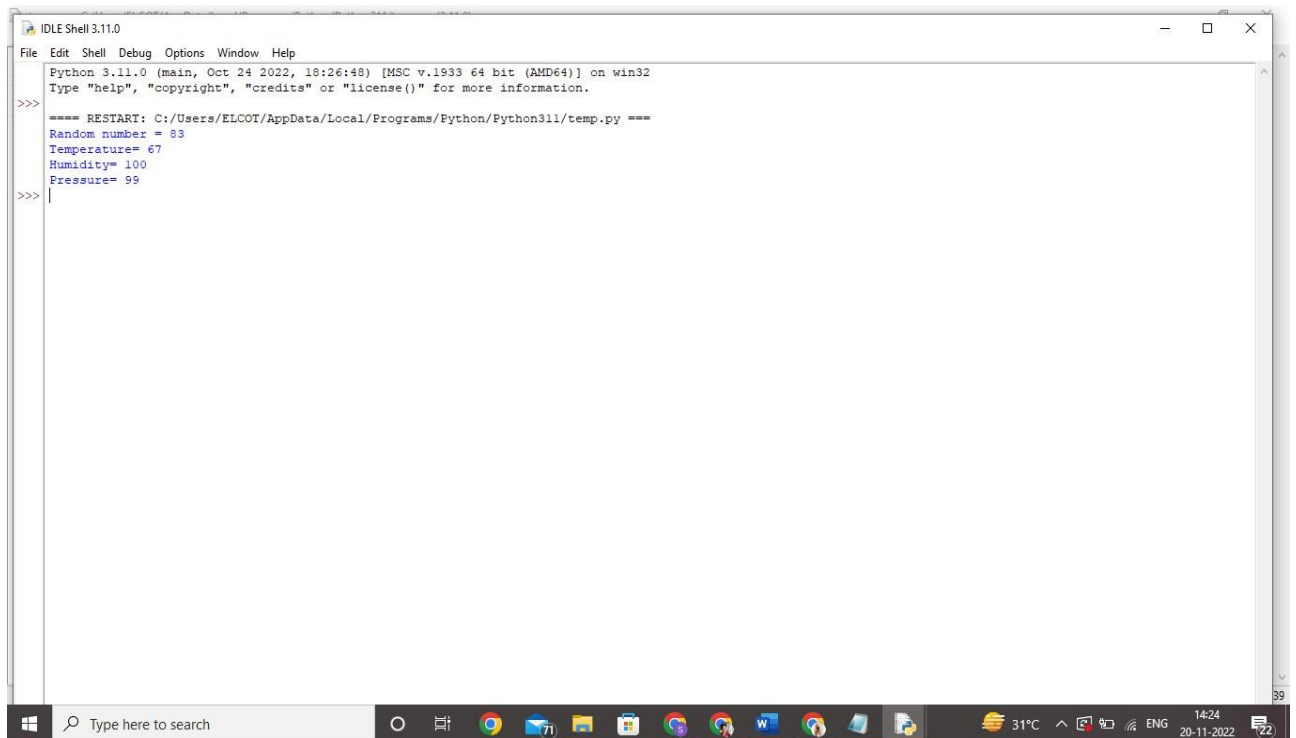
```
import random  
print('Random number =',str(random.randint(0,100)))  
print('Temperature=',str(random.randint(40,100)))  
print('Humidity=',str(random.randint(50,100)))  
print('Pressure=',str(random.randint(80,100)))
```

## **Input:**



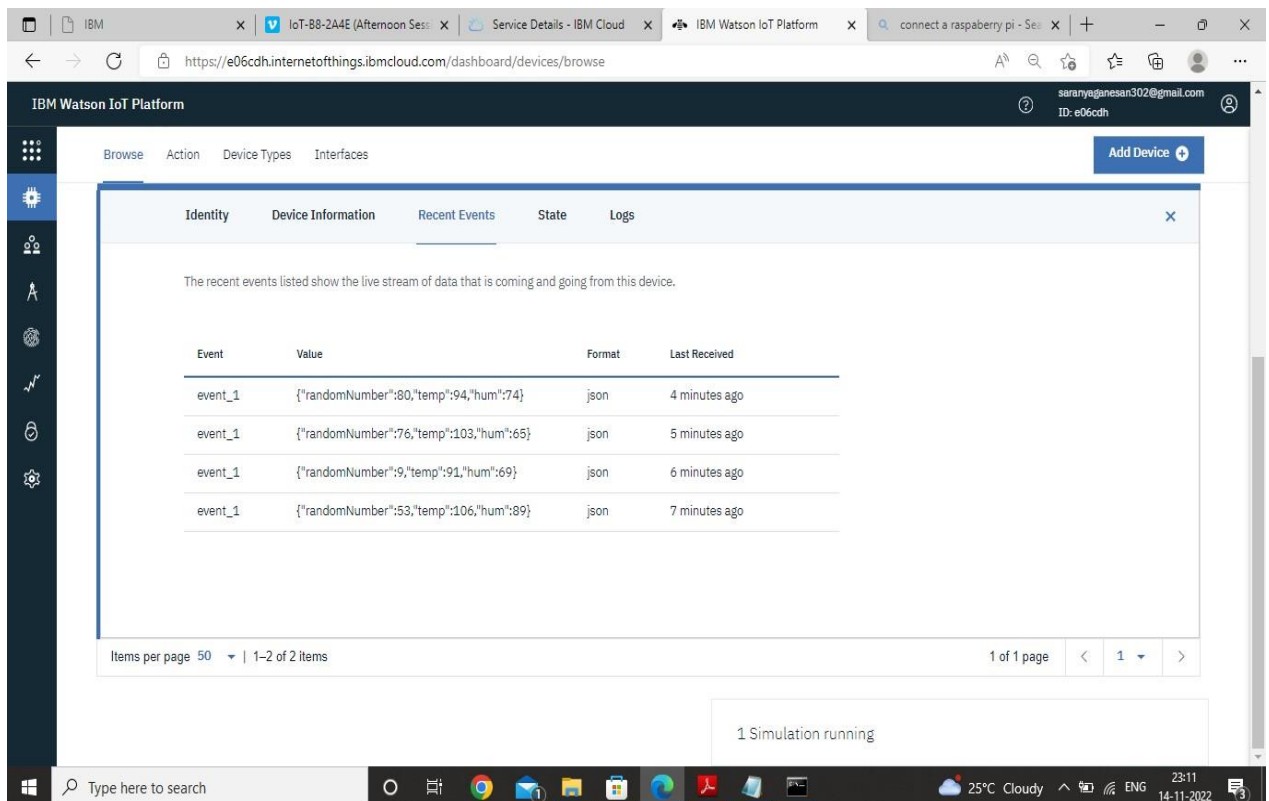
The screenshot shows a Windows desktop environment. At the top, a window titled 'temp.py - C:/Users/ELCOT/AppData/Local/Programs/Python/Python311/temp.py (3.11.0)' is open. The window contains a menu bar with 'File', 'Edit', 'Format', 'Run', 'Options', 'Window', and 'Help'. Below the menu bar, the Python code is displayed in a monospaced font with syntax highlighting: 'import random' in blue, and the four print statements in black. The code is identical to the one shown in the 'PYTHON CODE' section. At the bottom of the window, a status bar shows 'Ln: 8 Col: 0'. Below the window, the Windows taskbar is visible, showing the Start button, a search bar, and several application icons. The system tray on the right shows the date and time as '20-11-2022 14:25'.

## Output:



```
Python 3.11.0 (main, Oct 24 2022, 18:26:48) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

>>>
==== RESTART: C:/Users/ELCOT/AppData/Local/Programs/Python/Python311/temp.py ====
Random number = 83
Temperature= 67
Humidity= 100
Pressure= 99
>>>
```



IBM Watson IoT Platform

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":80,"temp":94,"hum":74}	json	4 minutes ago
event_1	{"randomNumber":76,"temp":103,"hum":65}	json	5 minutes ago
event_1	{"randomNumber":9,"temp":91,"hum":69}	json	6 minutes ago
event_1	{"randomNumber":53,"temp":106,"hum":89}	json	7 minutes ago

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1 Simulation running