

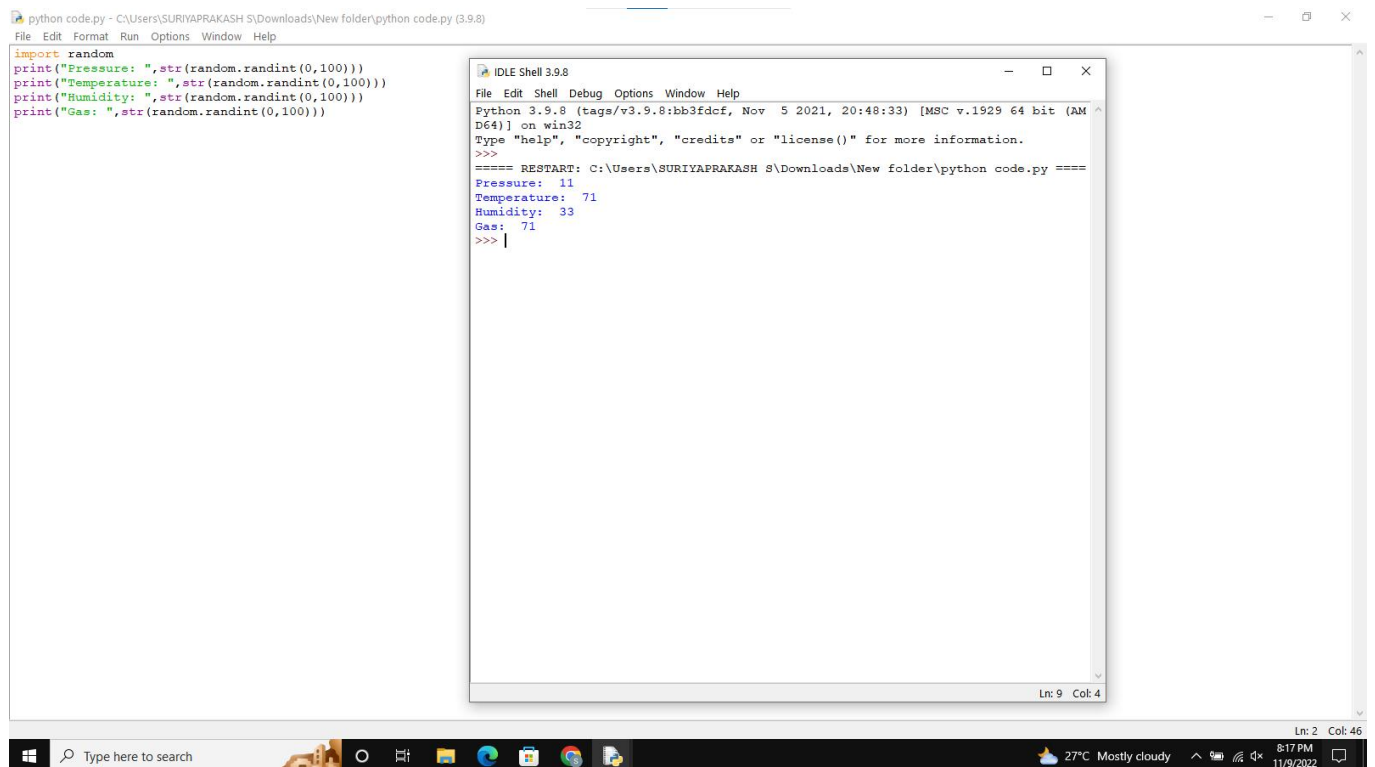
PYTHON CODE (GAS, TEMPERATURE, HUMIDITY,PRESSURE)

Team ID	PNT2022TMID33446
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES
Team members	Suriyaprakash S, Rajesh G, Ragul R, Sujith M.

Python Code:

```
import random
print("Pressure :",str(random.randint(0,100)))
print("Temperature: ",str(random.randint(0,100)))
print("Humidity: ",str(random.randint(0,100)))
print("Gas: ",str(random.randint(0,100)))
```

OUTPUT:



The screenshot shows a Windows desktop with a taskbar at the bottom. A file explorer window is open, displaying a Python script named 'python code.py' located at 'C:\Users\SURIYAPRAKASH S\Downloads\New folder\python code.py (3.9.8)'. The script contains the following code:

```
import random
print("Pressure: ",str(random.randint(0,100)))
print("Temperature: ",str(random.randint(0,100)))
print("Humidity: ",str(random.randint(0,100)))
print("Gas: ",str(random.randint(0,100)))
```

An IDLE Shell 3.9.8 window is also open, showing the output of the script:

```
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: C:\Users\SURIYAPRAKASH S\Downloads\New folder\python code.py =====
Pressure: 11
Temperature: 71
Humidity: 33
Gas: 71
>>>
```

The taskbar at the bottom shows the system clock as 8:17 PM on 11/9/2022, and the weather as 27°C Mostly cloudy.

Service Details - IBM Cloud

IBM Watson IoT Platform

u0b4fr.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform

u0b4fr

spsp200572@gmail.com

ID: u0b4fr

Browse

Action

Device Types

Interfaces

Add Device

TestdriveDevice_1

Connected

TestdriveDevice

Device

Nov 9, 2022 7:28 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	{"Gas":34,"Temp":37,"Pressure":60,"Hum":3}	json	a few seconds ago
event_1	{"Gas":55,"Temp":75,"Pressure":9,"Hum":2}	json	a few seconds ago
event_1	{"Gas":96,"Temp":71,"Pressure":8,"Hum":56}	json	a few seconds ago
event_1	{"Gas":62,"Temp":46,"Pressure":23,"Hum":34}	json	a few seconds ago
event_1	{"Gas":37,"Temp":56,"Pressure":73,"Hum":21}	json	a few seconds ago

1 Simulation running

Type here to search

28°C Partly cloudy

7:29 PM 11/9/2022

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