

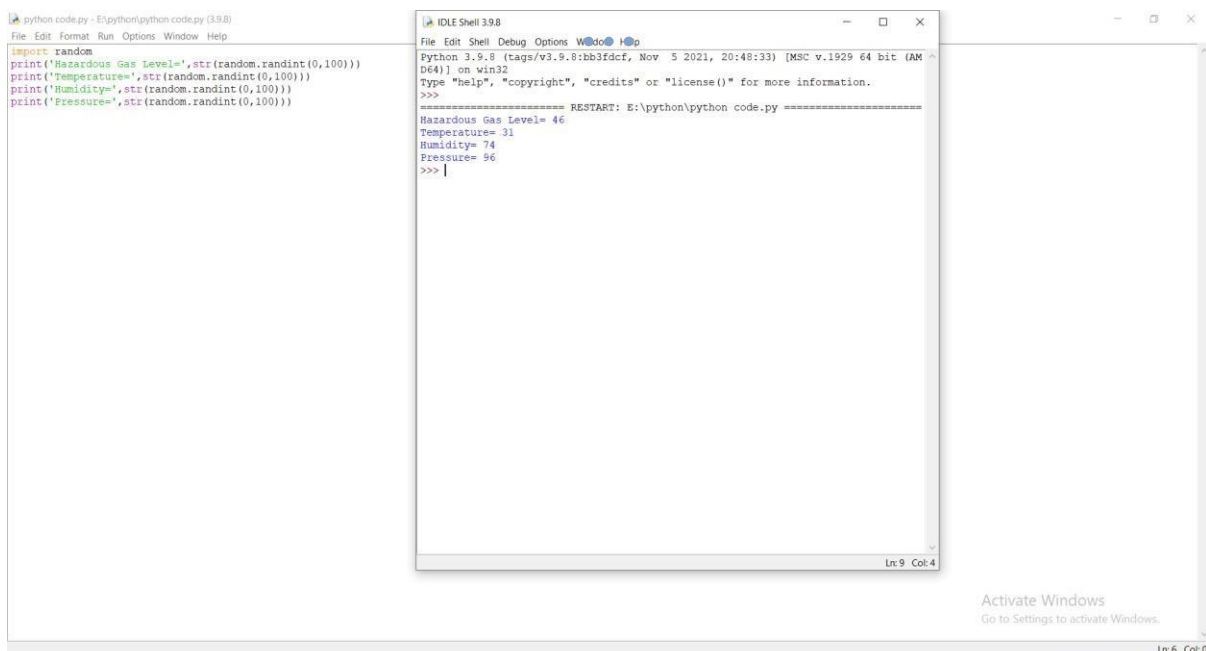
# PYTHON CODE (GAS, TEMPERATURE, HUMIDITY, PRESSURE)

Team ID	PNT2022TMID14363
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 shows two windows from the Python IDLE environment. 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. It displays the following text:

```
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  
>>> |
```

At the bottom right of the screenshot, there is a watermark that says 'Activate Windows Go to Settings to activate Windows.'

IBM Watson IoT Platform

Search by Device ID

Device Simulator

Device ID	Status	Device Type	Class ID	Date Added
12	Disconnected	abcd	Device	Oct 31, 2022 12:38 PM

Identity Device Information Recent Events State Logs

Device ID: 12  
Device Type: abcd  
Date Added: Oct 31, 2022 12:38 PM  
Added By: vsk7422@gmail.com  
Connection Status: Disconnected

Items per page 50 | 1-1 of 1 item

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 Receive
event_1	["Hazardous Gas":57,"Temperature":96,"Humidit...	json	a few seconds
event_1	["Hazardous Gas":3,"Temperature":35,"Humidity...	json	a few seconds
event_1	["Hazardous Gas":69,"Temperature":74,"Humidit...	json	a few seconds
event_1	["Hazardous Gas":85,"Temperature":51,"Humidit...	json	a few seconds
event_1	["Hazardous Gas":92,"Temperature":35,"Humidit...	json	a few seconds

Items per page 50 | 1-1 of 1 item

Events 1

Event type name event\_1

Schedule 20 Every Minute

Payload

```
1 {
2   "Hazardous Gas": random(0, 100)
3   "Temperature": random(0, 100)
4   "Humidity": random(0, 100)
5   "Pressure": random(0, 100)
6 }
```

Cancel Save