

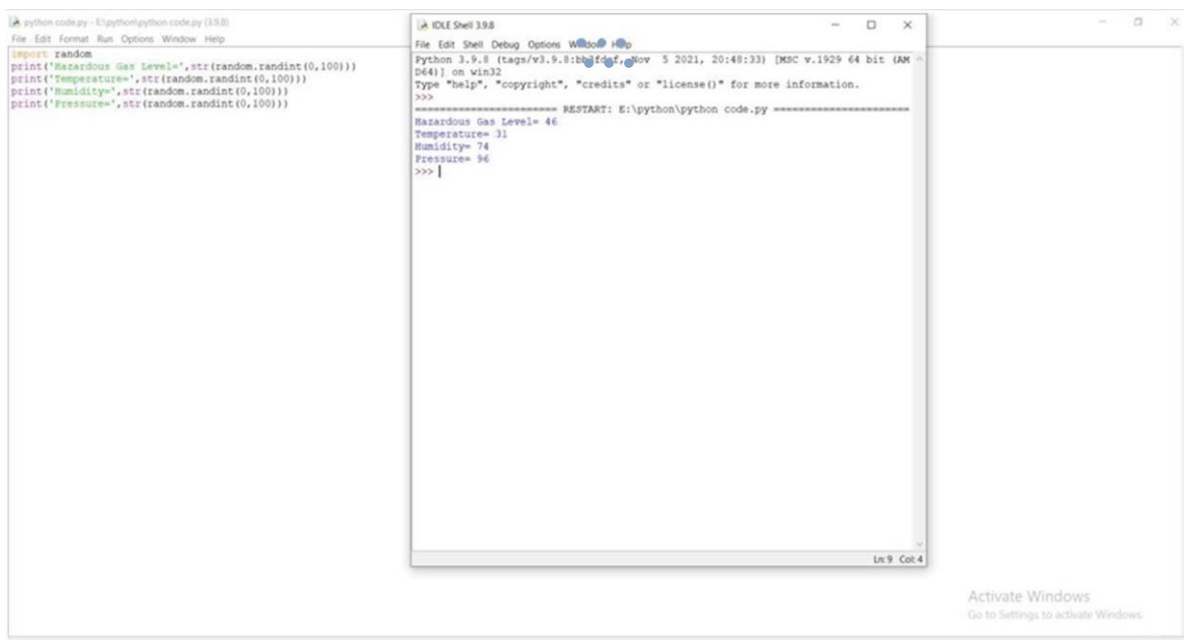
## PYTHON CODE (GAS, TEMPERATURE, HUMIDITY, PRESSURE)

Date	13 NOVEMBER 2022
Team ID	PNT2022TMID01874
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:



Overview

Action

Device Types

Interfaces

Add Device

Device ID

Status

Device Type

Class ID

Date Added

Descriptive Location

12345

Disconnected

Nagarajan

Device

Oct 31, 2022 11:38 AM

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	["Hazardous Gas":61,"Temperature":88,"Humidit...	json	a few seconds ago
event_1	["Hazardous Gas":20,"Temperature":36,"Humidit...	json	a few seconds ago
event_1	["Hazardous Gas":79,"Temperature":56,"Humidit...	json	a few seconds ago
event_1	["Hazardous Gas":52,"Temperature":82,"Humidit...	json	a few seconds ago
event_1	["Hazardous Gas":26,"Temperature":33,"Humidit...	json	a few seconds ago

The screenshot displays the 'Device Types' section of the ActiveWidow application. The main panel shows a table of recent events for a device named 'Nagarajan'. The table has columns for Identity, Device Information, Recent Events, State, and Logs. Below the table, there's a note about the live stream of data and pagination controls.

A modal window titled 'Device Type: Nagarajan' is open, allowing configuration of the event type. It includes fields for Event name (set to 'event\_1'), Schedule (Every Minute), and Payload. The payload is a JSON object with sensor readings like Hazardous Gas, Temperature, Humidity, and Pressure, each assigned a random value between 0 and 100. Buttons for 'Send', 'Cancel', and 'Save' are present.

Event	Value	Format	Last Receive
event_1	{"Hazardous Gas":57,"Temperature":98,"Humidit...	json	a few secon
event_1	{"Hazardous Gas":3,"Temperature":35,"Humidity...	json	a few secon
event_1	{"Hazardous Gas":69,"Temperature":74,"Humidit...	json	a few secon
event_1	{"Hazardous Gas":85,"Temperature":51,"Humidit...	json	a few secon
event_1	{"Hazardous Gas":92,"Temperature":35,"Humidit...	json	a few secon

```

{
  "Hazardous Gas": random(0, 100)
  "Temperature": random(0, 100)
  "Humidity": random(0, 100)
  "Pressure": random(0, 100)
}
    
```