

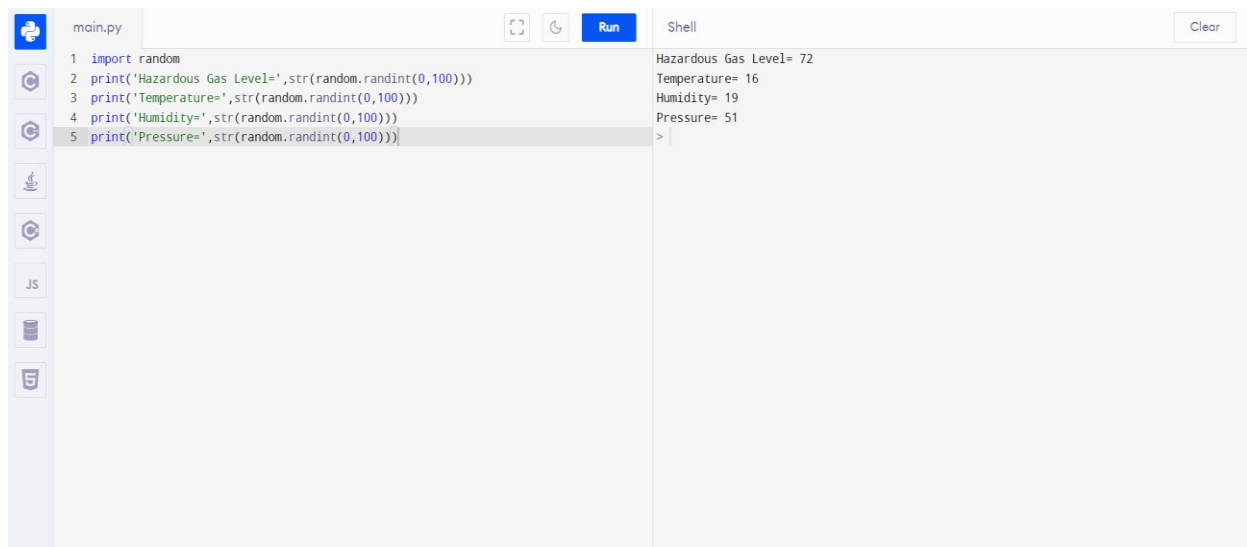
## PYTHON CODE (GAS, TEMPERATURE, HUMIDITY, PRESSURE)

Date	13 NOVEMBER 2022
Team ID	PNT2022TMID04029
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:

A screenshot of a Python IDE interface. The left pane shows a file named 'main.py' with five lines of Python code: 1. import random, 2. print('Hazardous Gas Level=',str(random.randint(0,100))), 3. print('Temperature=',str(random.randint(0,100))), 4. print('Humidity=',str(random.randint(0,100))), 5. print('Pressure=',str(random.randint(0,100))). The right pane, titled 'Shell', shows the output of the code: 'Hazardous Gas Level= 72', 'Temperature= 16', 'Humidity= 19', and 'Pressure= 51'. There is a 'Clear' button in the top right of the Shell pane. The IDE has a sidebar on the left with icons for file explorer, search, and other tools, and a 'Run' button at the top of the code editor.

IBM Watson IoT Platform

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Browse Action Device Types Interfaces

Add Device

deviceid\_DP

Disconnected

devicetype\_deva

Device

Nov 13, 2022 11:31 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	{"Temperature":89,"Humidity":50,"Hazardous G...	json	a few seconds ago
event_1	{"Temperature":3,"Humidity":65,"Hazardous Gas...	json	a few seconds ago
event_1	{"Temperature":39,"Humidity":35,"Hazardous G...	json	a few seconds ago
event_1	{"Temperature":57,"Humidity":44,"Hazardous G...	json	a few seconds ago
event_1	{"Temperature":56,"Humidity":41,"Hazardous G...	json	a few seconds ago

Items per page 50 | 1-1 of 1 item

1 Simulation running

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Event	Value	Format	Last Received
event_1	{"Temperature":41,"Humidity":89,"Hazardous G...	json	a few seconds ago
event_1	{"Temperature":77,"Humidity":13,"Hazardous G...	json	a few seconds ago
event_1	{"Temperature":58,"Humidity":50,"Hazardous G...	json	a few seconds ago
event_1	{"Temperature":38,"Humidity":93,"Hazardous G...	json	a few seconds ago
event_1	{"Temperature":3,"Humidity":34,"Hazardous Gas...	json	a few seconds ago

Items per page 50 | 1-1 of 1 item

1 of 1 page

Device Type: devicetype\_deva

Events 1

New event type

Event type name event\_1

Send

Schedule

20 Every Minute

Payload

Specify the event payload in the editor window or by uploading a CSV file.

```

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

```

Cancel Save