

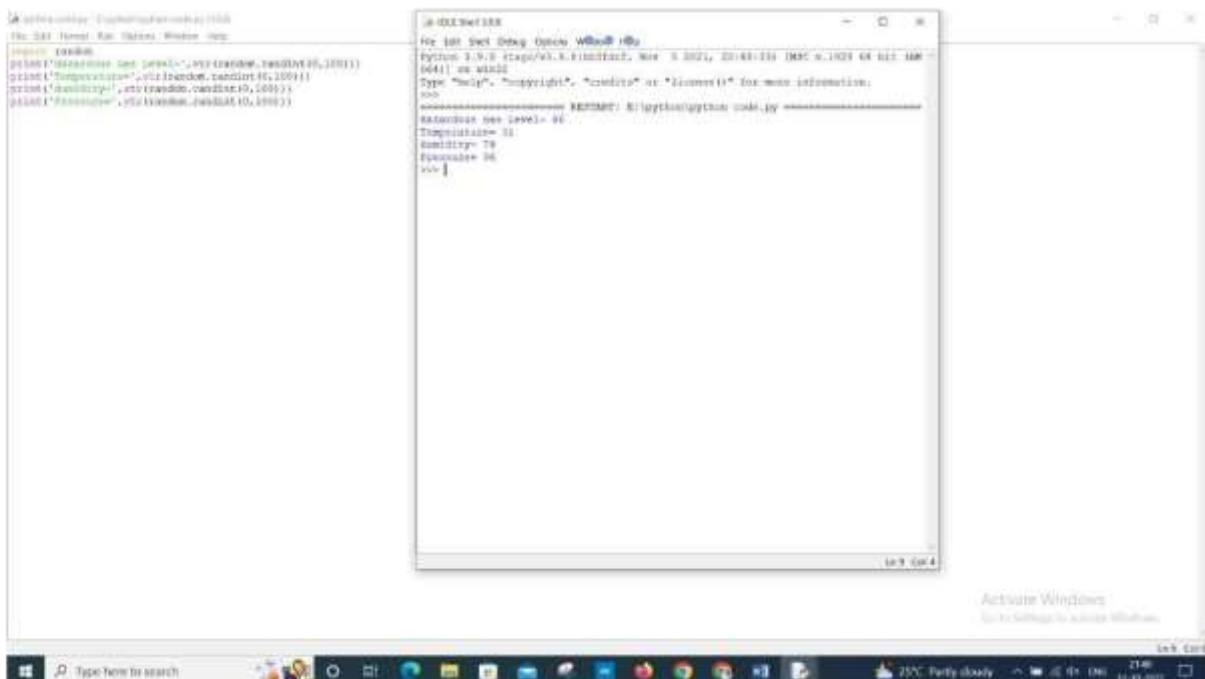
PYTHON CODE (GAS, TEMPERATURE, HUMIDITY, PRESSURE)

Date	3 NOVEMBER 2022
Team ID	PNT2022TMID15087
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 displays a Windows desktop environment. On the left, a code editor window titled 'python code.py' contains the following 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)))
```

On the right, a command prompt window titled 'cmd.exe' shows the output of running the code:

```
python code.py  
Hazardous Gas Level= 46  
Temperature= 33  
Humidity= 78  
Pressure= 96
```

The Windows taskbar at the bottom shows the time as 21:49 on 04/11/2022, with a weather widget indicating 25°C and 'Partly cloudy'.

IBM Watson IoT Platform

Device ID: 123, Status: Disconnected, Device Type: raspberrypi, Last Received: Nov 18, 2022 10:25 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	{"Hazardous Gas":61,"Temperature":10,"Humidit...	json	a few seconds ago
event_1	{"Hazardous Gas":27,"Temperature":41,"Humidit...	json	a minute ago
event_1	{"Hazardous Gas":81,"Temperature":50,"Humidit...	json	2 minutes ago
event_1	{"Hazardous Gas":91,"Temperature":17,"Humidit...	json	3 minutes ago
event_1	{"Hazardous Gas":14,"Temperature":90,"Humidit...	json	4 minutes ago

1 Simulation running

IBM Watson IoT Platform

Device ID: 123, Status: Disconnected, Device Type: raspberrypi, Last Received: Nov 18, 2022 10:25 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	{"Hazardous Gas":57,"Temperature":90,"Humidit...	json	a few seconds ago
event_1	{"Hazardous Gas":3,"Temperature":25,"Humidity...	json	a few seconds ago
event_1	{"Hazardous Gas":69,"Temperature":76,"Humidit...	json	a few seconds ago
event_1	{"Hazardous Gas":85,"Temperature":51,"Humidit...	json	a few seconds ago
event_1	{"Hazardous Gas":92,"Temperature":35,"Humidit...	json	a few seconds ago

Items per page: 50 | 1-1 of 1 item

Device Type: Nagarajan

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.

```

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