

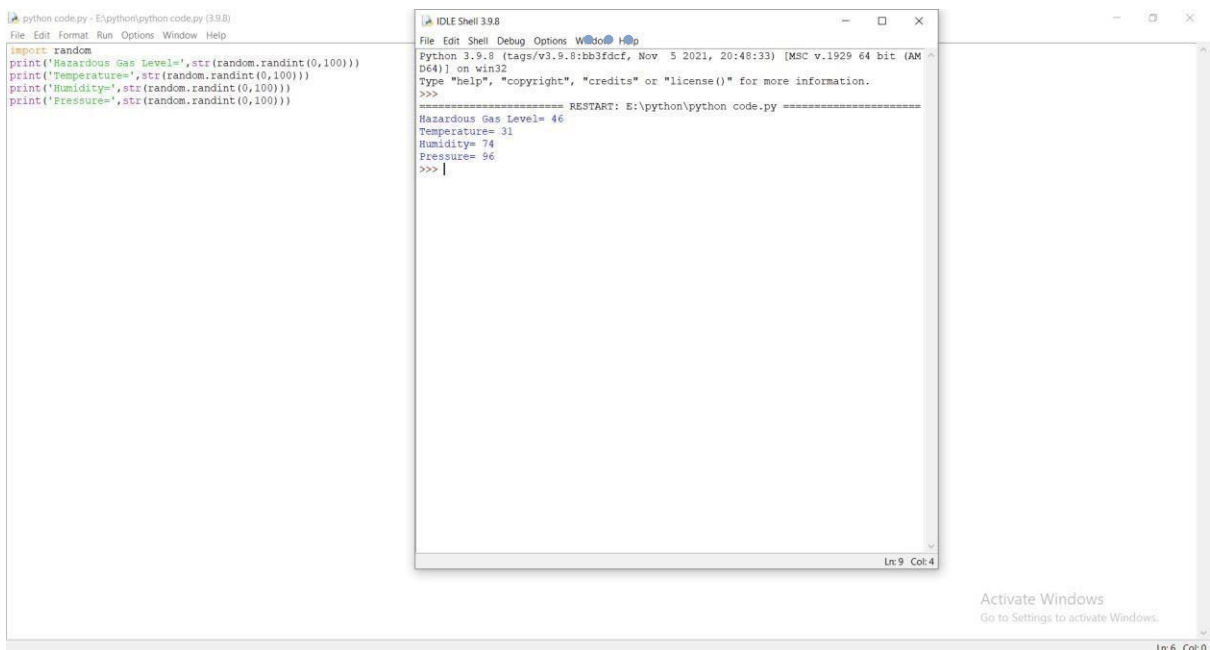
PYTHON CODE (GAS, TEMPERATURE, HUMIDITY, PRESSURE)

Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES
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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:



Browse 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 X

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

1 Simulation running

Activate Windows
Go to Settings to activate Windows.

The screenshot displays the IoT Central console interface. On the left is a dark sidebar with navigation icons. The main area shows the 'Device Type: Nagarajan' configuration page. At the top, there are tabs for 'Identity', 'Device Information', 'Recent Events', 'State', and 'Logs'. Below these tabs, a message states: 'The recent events listed show the live stream of data that is coming and going from this device.' A table lists recent events with columns: Event, Value, Format, and Last Received. The table contains five rows of event data. To the right, a panel allows configuring the device's schedule and payload. The 'Events' section shows 'event_1' as the event name. The 'Schedule' section is set to 'Every Minute'. The 'Payload' section shows a JSON template with random values for sensor readings.

Event	Value	Format	Last Received
event_1	{"Hazardous Gas":57,"Temperature":98,"Humidity":...}	json	a few seconds ago
event_1	{"Hazardous Gas":3,"Temperature":35,"Humidity":...}	json	a few seconds ago
event_1	{"Hazardous Gas":69,"Temperature":74,"Humidity":...}	json	a few seconds ago
event_1	{"Hazardous Gas":85,"Temperature":51,"Humidity":...}	json	a few seconds ago
event_1	{"Hazardous Gas":92,"Temperature":35,"Humidity":...}	json	a few seconds ago

```

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