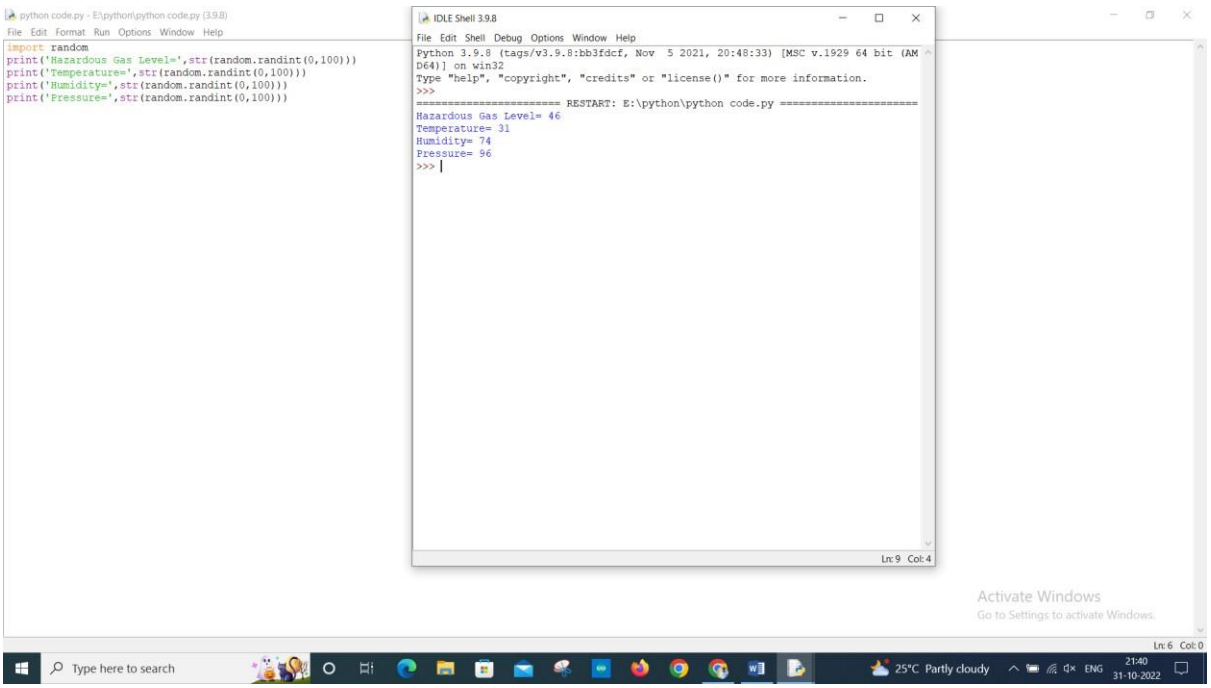
PYTHON CODE (GAS, TEMPERATURE, HUMIDITY, PRESSURE)

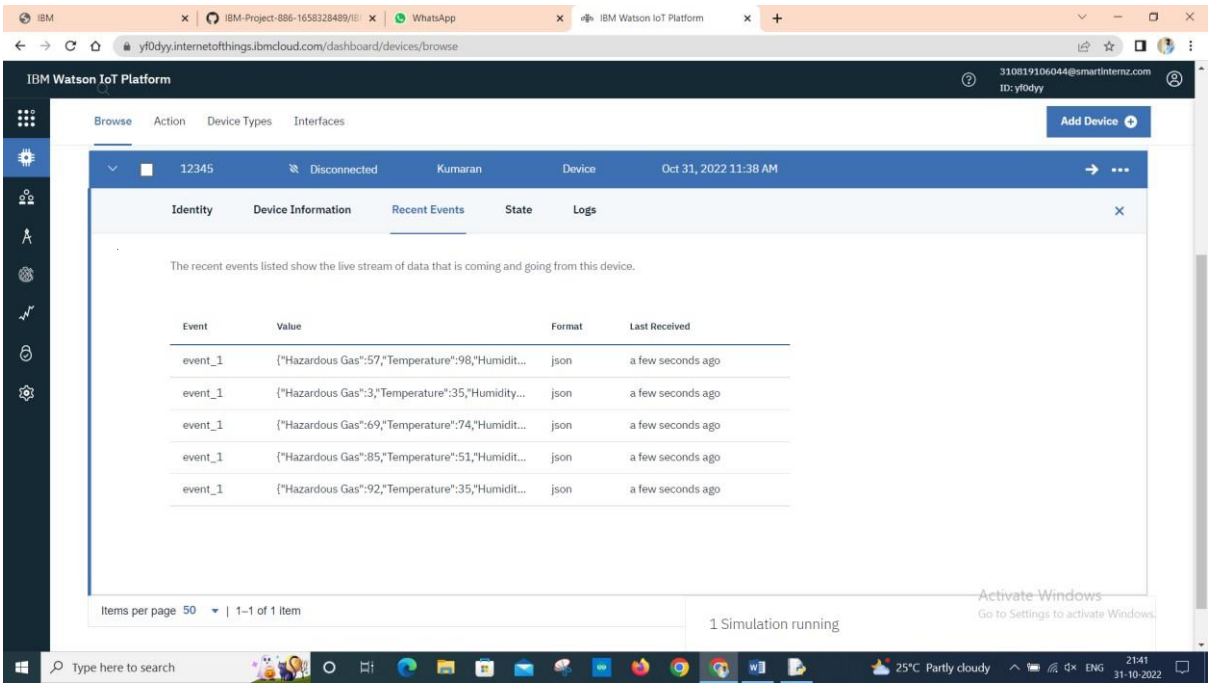
Date	31 October 2022
Team ID	PNT2022TMID04619
Project Name	Gas leakage monitoring and alerting system for industries

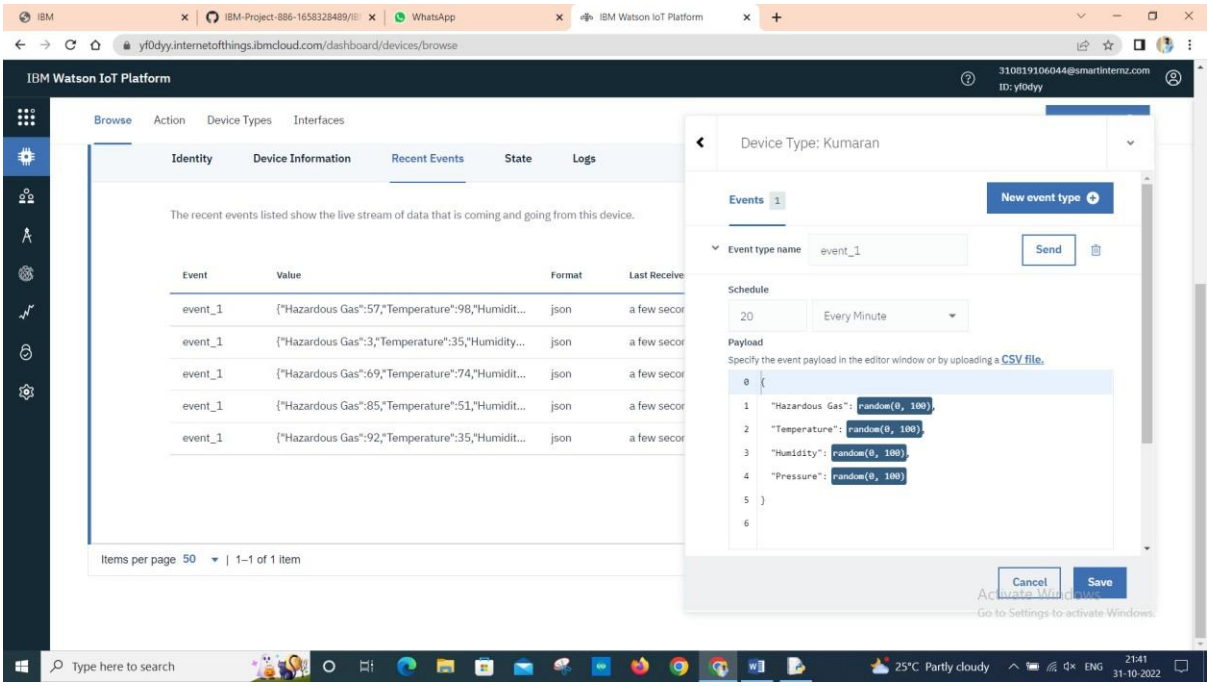
PYTHON CODE

```
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:




IBM Watson IoT Platform
Browse
Action
Device Types
Interfaces
Add Device
12345
Disconnected
Kumaran
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":57,"Temperature":98,"Humidit...
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,"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
1 Simulation running
Activate Windows
Go to Settings to activate Windows.
Type here to search
25°C Partly cloudy
ENG
21:41
31-10-2022


IBM Watson IoT Platform
Browse
Action
Device Types
Interfaces
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State
Logs
The recent events listed show the live stream of data that is coming and going from this device.
Event
Value
Format
event_1
{"Hazardous Gas":57,"Temperature":98,"Humidit...
json
event_1
{"Hazardous Gas":3,"Temperature":35,"Humidity...
json
event_1
{"Hazardous Gas":69,"Temperature":74,"Humidit...
json
event_1
{"Hazardous Gas":85,"Temperature":51,"Humidit...
json
event_1
{"Hazardous Gas":92,"Temperature":35,"Humidit...
json
Items per page 50
1–1 of 1 item
Device Type: Kumaran
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.
{
"Hazardous Gas": random(0, 100),
"Temperature": random(0, 100),
"Humidity": random(0, 100),
"Pressure": random(0, 100)
}
Cancel
Save
Activate Windows
Go to Settings to activate Windows.
Type here to search
25°C Partly cloudy
ENG
21:41
31-10-2022