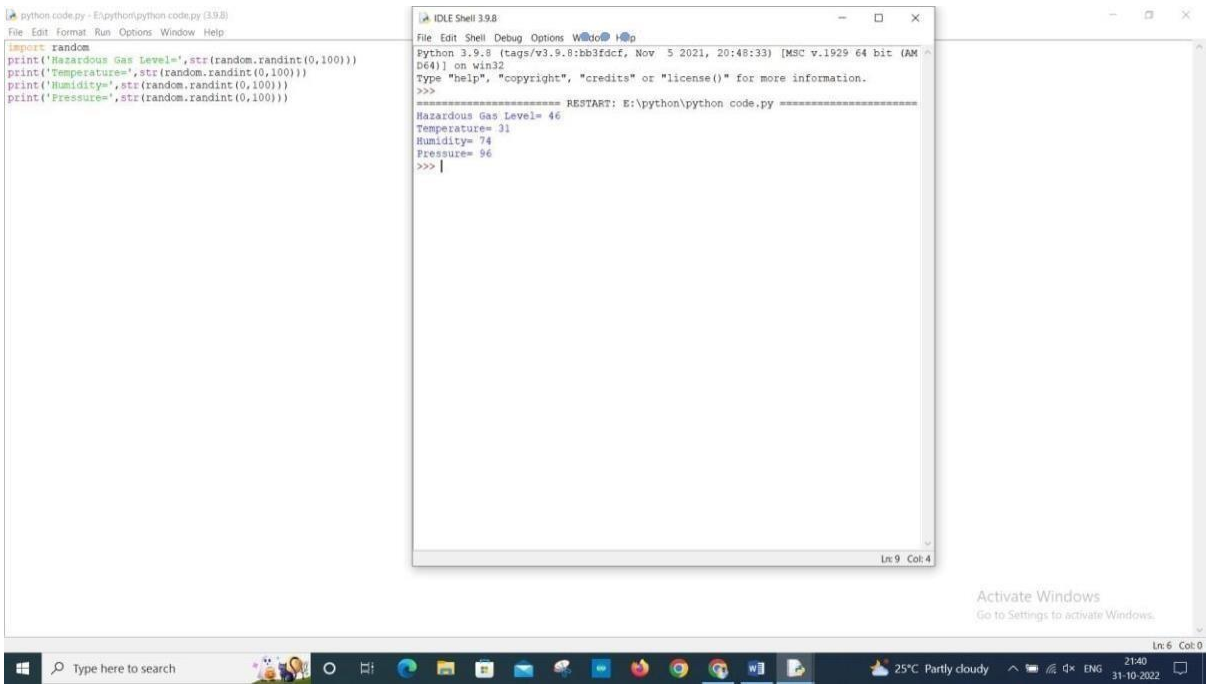
PYTHON CODE (GAS, TEMPERATURE, HUMIDITY, PRESSURE)

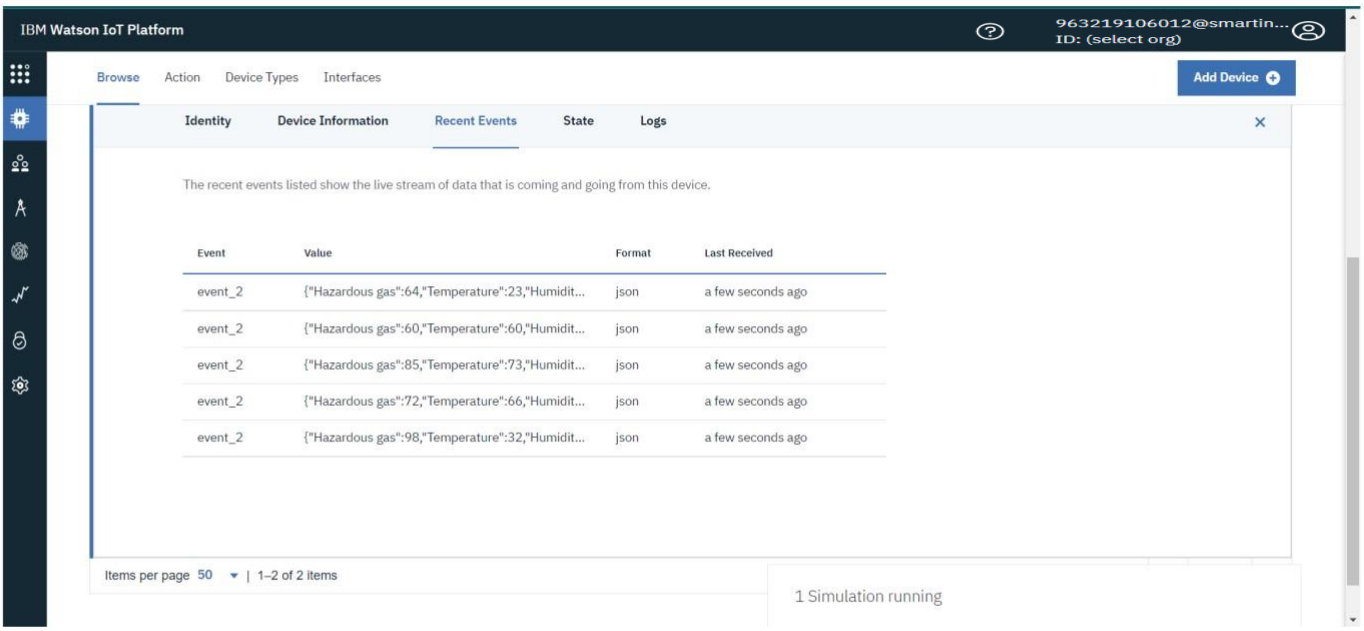
Date	16 NOVEMBER 2022
Team ID	PNT2022TMID52232
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

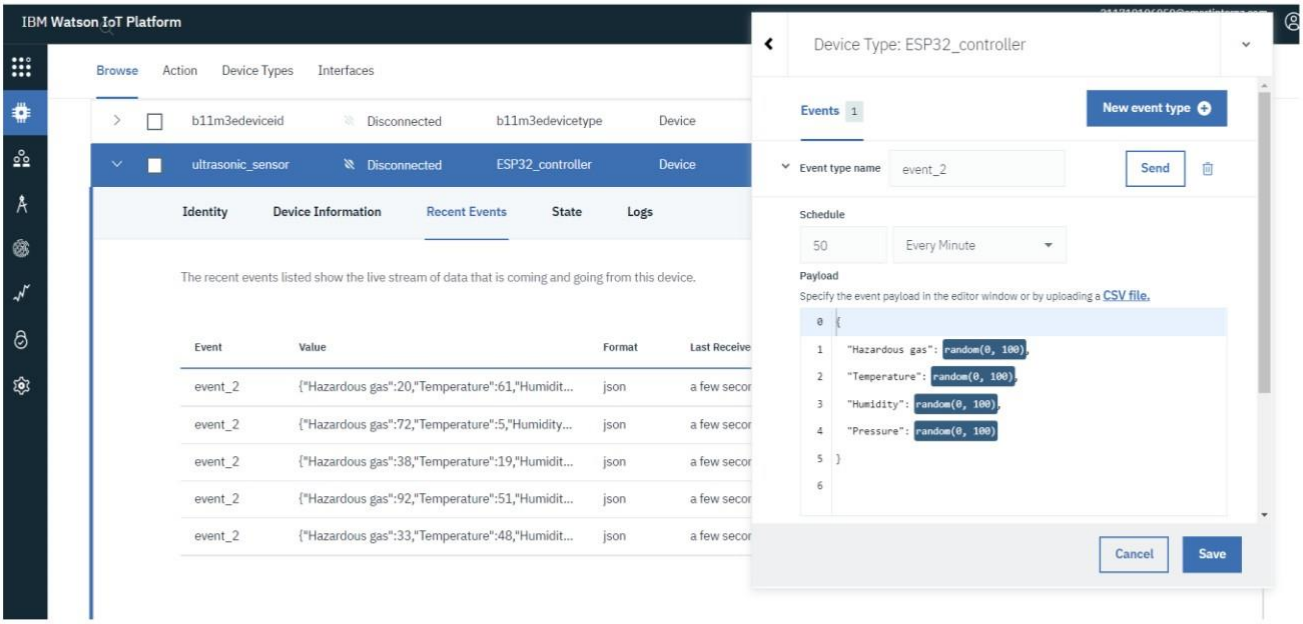
PYTHON CODE

```
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
963219106012@smartin...
ID: (select org)
Browse
Action
Device Types
Interfaces
Add Device
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_2
{"Hazardous gas":64,"Temperature":23,"Humidit...
json
a few seconds ago
event_2
{"Hazardous gas":60,"Temperature":60,"Humidit...
json
a few seconds ago
event_2
{"Hazardous gas":85,"Temperature":73,"Humidit...
json
a few seconds ago
event_2
{"Hazardous gas":72,"Temperature":66,"Humidit...
json
a few seconds ago
event_2
{"Hazardous gas":98,"Temperature":32,"Humidit...
json
a few seconds ago
Items per page 50
1–2 of 2 items
1 Simulation running


IBM Watson IoT Platform
Browse
Action
Device Types
Interfaces
b11m3edeviceid
Disconnected
b11m3edevicetype
Device
ultrasonic_sensor
Disconnected
ESP32_controller
Device
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
event_2
{"Hazardous gas":20,"Temperature":61,"Humidit...
json
event_2
{"Hazardous gas":72,"Temperature":5,"Humidity...
json
event_2
{"Hazardous gas":38,"Temperature":19,"Humidit...
json
event_2
{"Hazardous gas":92,"Temperature":51,"Humidit...
json
event_2
{"Hazardous gas":33,"Temperature":48,"Humidit...
json
Device Type: ESP32_controller
Events 1
New event type
Event type name
event_2
Send
Schedule
50
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