PYTHON CODE (GAS, TEMPERATURE, HUMIDITY, PRESSURE)

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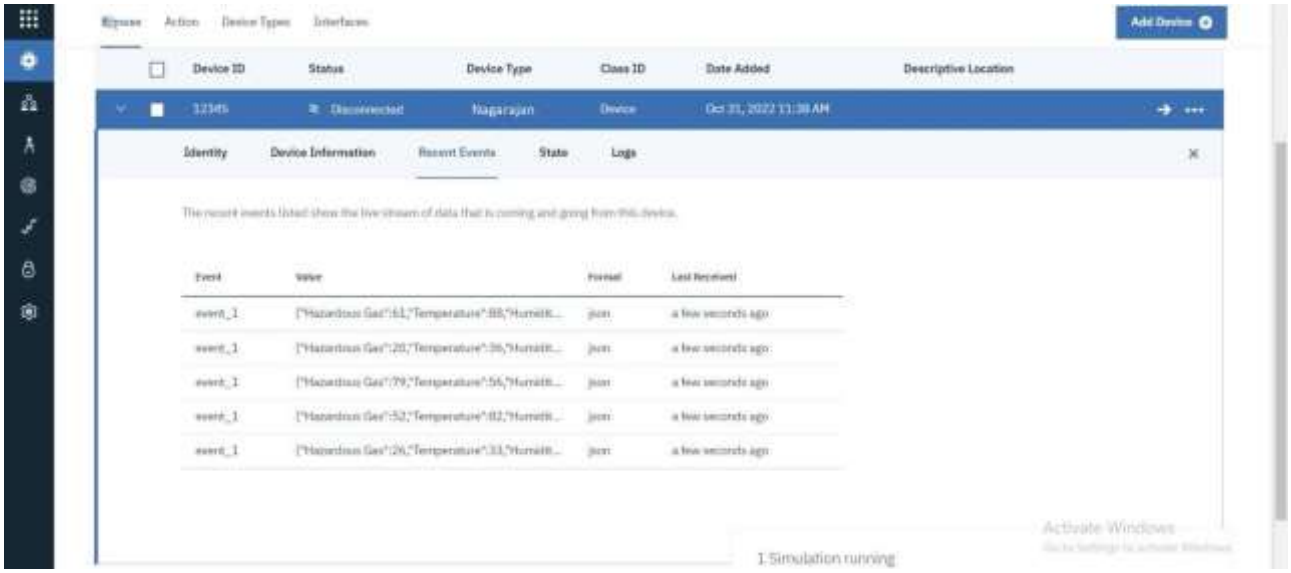
Team ID	PNT2022TMID39619
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

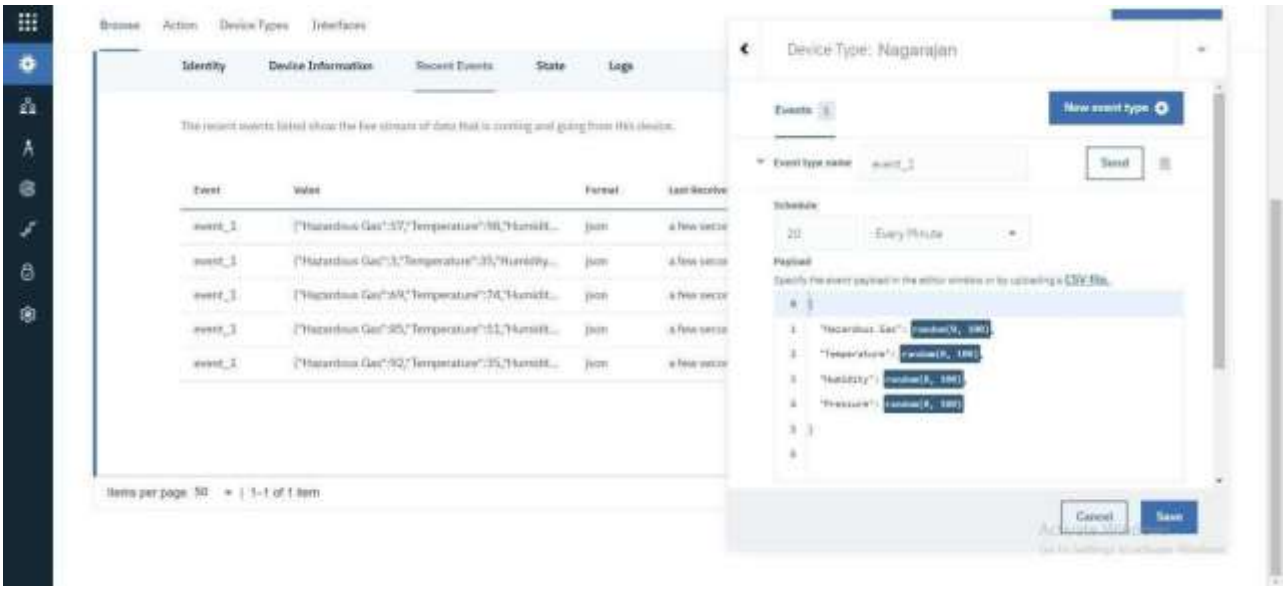
PYTHON CODE

```
#IBM Watson IOT Platform
import wiotp.sdk.device
import time
import random
myConfig = {
"identity": {
        "orgId": "yf0dyy ",
        "typeId": "Tajamul ",
        "deviceId":"12345"
},
"auth": {
        "token": "VJTDPRX@f&4Vuox8ms "
}
  }
  def myCommandCallback(cmd):
print("Message received from IBM IoT Platform: %s" %
cmd.data['command'])
m=cmd.data['command']
client = wiotp.sdk.device.DeviceClient(config=myConfig,
logHandlers=None)
  client.connect()
```

```
    while True:
      gas=random.randint(0,100)
    temp=random.randint(0,100)
    hum=random.randint(0,100)
    pre=random.randint(0,100)
    myData={'Hazardous Gas':gas, 'Temperature':temp, 'Humidity':hum,
    'Pressure':pre }
    client.publishEvent(eventId="status", msgFormat="json",
    data=myData,qos=0, onPublish=None)
    print("Published data Successfully: %s",
    myData) client.commandCallback =
    myCommandCallbacktime.sleep(2)
client.disconnect()
```

OUTPUT:




Browse
Action
Device Types
Interfaces
Identity
Device Information
Recent Events
State
Logs
Event
Value
Format
event_1
json
Items per page: 50
1-1 of 1 item
Device Type: Nagarajan
Events
New event type
Event type name
event_1
Send
Schedule
10
Every Minute
Payload
"Hazardous Gas":
"Temperature":
"Humidity":
"Pressure":
Cancel
Save