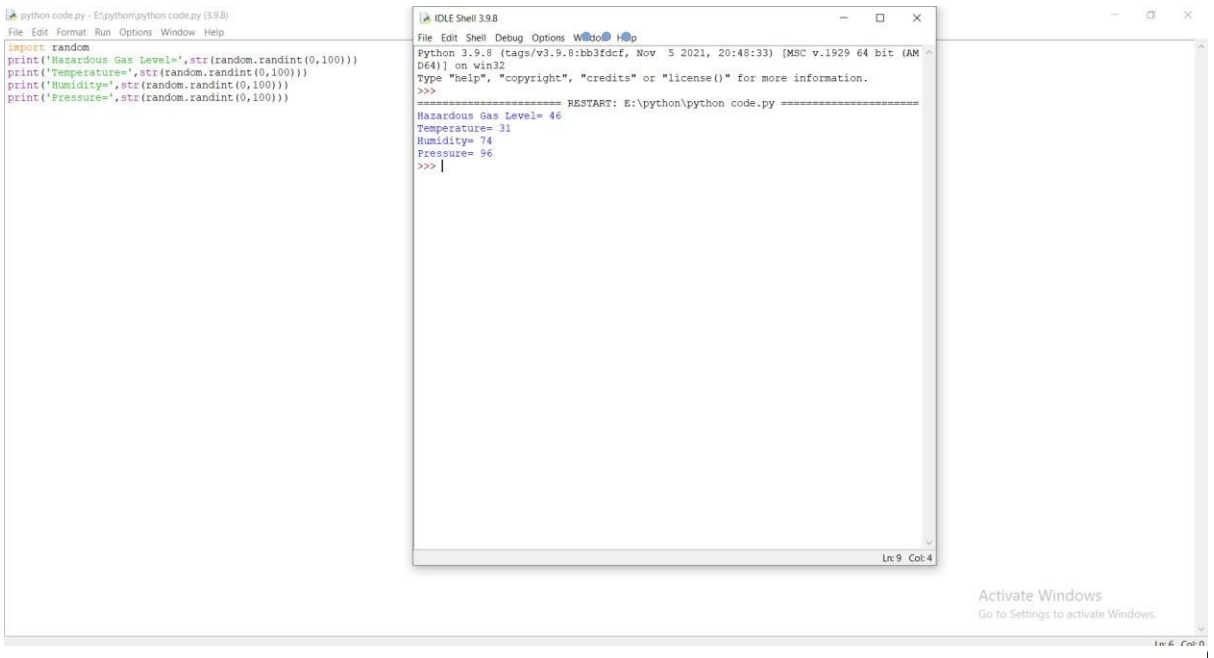
DEVELOPE A PYTHON CODE TO IBM CLOUD:

Team ID	PNT2022TMID40877
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)))
```

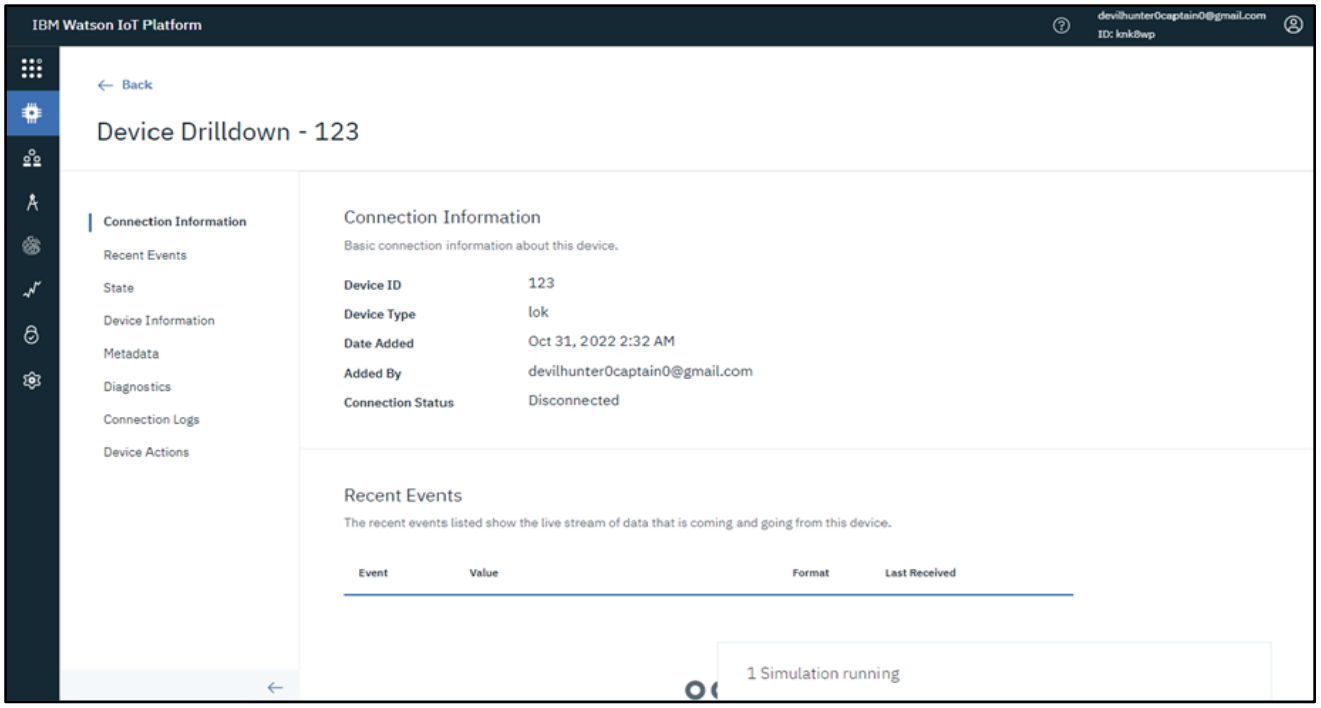
OUTPUT:

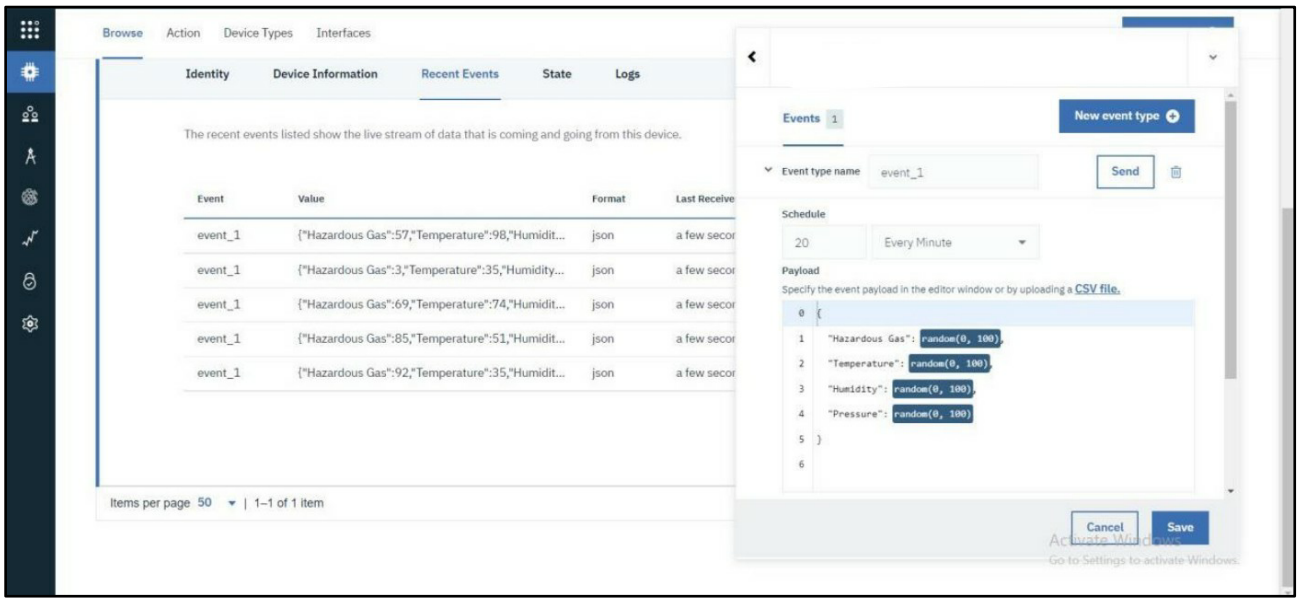


```
   #IBM Watson IOT
   Platform #pip install
   wiotp-sdk import
   wiotp.sdk.device import
   time
   import
   random
   myConfig = {
"identity": {
        "orgId": "knk8wp ",
        "typeId": "lok ",
        "deviceId":"123"
},
"auth": {
        "token": "HNTDPRX@f&4Vuox8ms "
}
   }
   def myCommandCallback(cmd):
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(
```

```
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 = myCommandCallback
time.sleep(2)
   client.disconnect()
```




Browse
Action
Device Types
Interfaces
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 Receive
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
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.