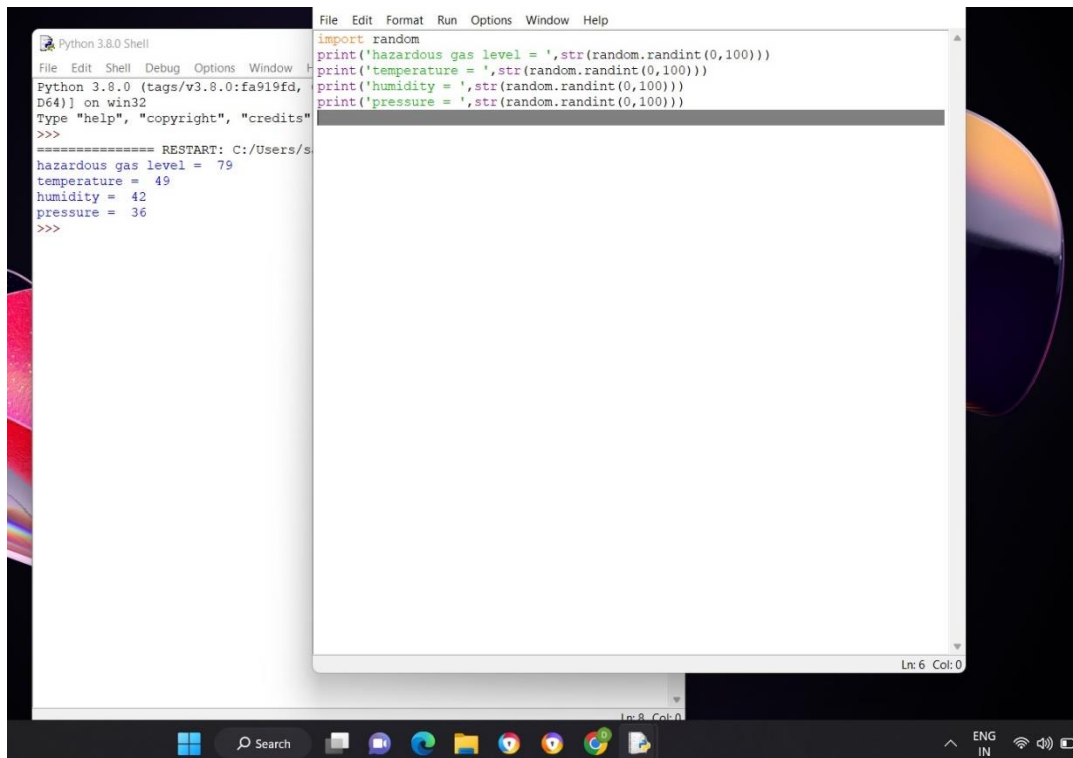


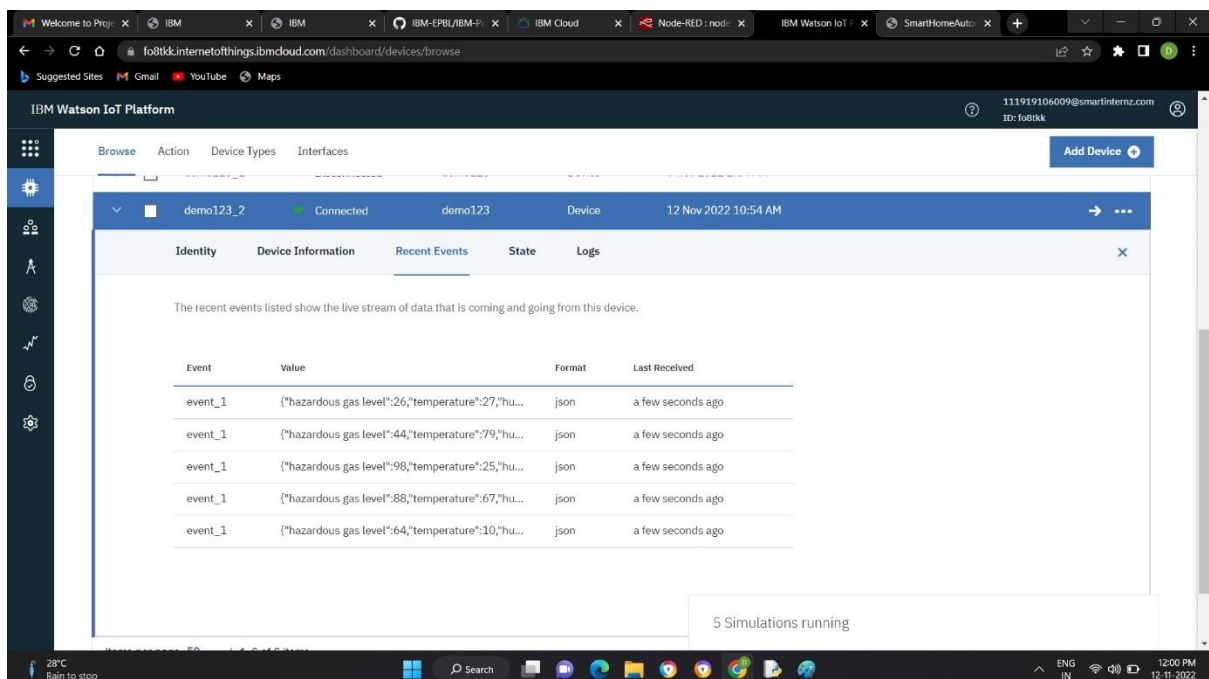
## Develop the python code

|              |   |
|--------------|---|
| Date         | 11 November 2022  |
| Team ID      | PNT2022TMID54092  |
| Project Name | Gas leakage monitoring and alerting system for industries |



```
Python 3.8.0 Shell
File Edit Shell Debug Options Window
Python 3.8.0 (tags/v3.8.0:fa919fd,
D64) on win32
Type "help", "copyright", "credits"
>>>
===== RESTART: C:/Users/s
hazardous gas level = 79
temperature = 49
humidity = 42
pressure = 36
>>>

File Edit Format Run Options Window Help
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)))
```



IBM Watson IoT Platform

111919106009@smartinternz.com  
ID: fo8tkk

Browse Action Device Types Interfaces

demo123\_2 Connected demo123 Device 12 Nov 2022 10:54 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 level":26,"temperature":27,"hu... | json   | a few seconds ago |
| event_1 | ("hazardous gas level":44,"temperature":79,"hu... | json   | a few seconds ago |
| event_1 | ("hazardous gas level":98,"temperature":25,"hu... | json   | a few seconds ago |
| event_1 | ("hazardous gas level":88,"temperature":67,"hu... | json   | a few seconds ago |
| event_1 | ("hazardous gas level":64,"temperature":10,"hu... | json   | a few seconds ago |

5 Simulations running

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)))
```