

PYTHONCODE(GAS,TEMPERATURE,HUMIDITY,PRESSURE)

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TeamID	PNT2022TMID15087
ProjectName	GASLEAKAGEMONITORINGANDALERTINGSYSTEMFORINDUSTRIES

PYTHONCODE

[REDACTED]

[REDACTED]

The screenshot displays a Windows desktop environment. On the left, a text editor window titled 'python code.py - E:\python\python code.py (3.9.8)' contains the following 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)))
```

Overlaid on top of this is an 'IDLE Shell 3.9.8' window. It shows the Python 3.9.8 startup screen with the prompt 'Python 3.9.8 (tags/v3.9.8:bb3f9cf, Nov 5 2021, 20:48:33) [MSC v.1929 64 bit (AMD64)] on win32'. Below this, it says 'Type "help", "copyright", "credits" or "license()" for more information.' and '==== RESTART: E:\python\python code.py ====='. The shell then displays the output of the code: 'Hazardous Gas Level= 46', 'Temperature= 31', 'Humidity= 74', and 'Pressure= 96'. The Windows taskbar at the bottom shows the search bar, task view button, and several application icons. The system tray on the right indicates '25°C Partly cloudy', '21:40', and '31-10-2022'. An 'Activate Windows' watermark is visible in the bottom right corner.

IBM Watson IoT Platform

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Browse Action Device Types Interfaces

Add Device

200236 Disconnected anikani Device Nov 18, 2022 10:40 PM

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_15087	{"randomNumber":97,"temp":70,"hum":82}	json	a few seconds ago
event_15087	{"randomNumber":45,"temp":51,"hum":99}	json	a few seconds ago
event_15087	{"randomNumber":7,"temp":57,"hum":88}	json	a few seconds ago
event_15087	{"randomNumber":26,"temp":26,"hum":90}	json	2 minutes ago
event_15087	{"randomNumber":57,"temp":27,"hum":98}	json	2 minutes ago

3 Simulations running

PYTHON CODE (G...pdf) Show all

22°C Haze

ENG IN 23:15 18-11-2022

The screenshot displays the IBM Watson IoT Platform interface. The main dashboard shows a list of devices, with 'anikani' selected. A configuration window for 'anikani' is open, showing the 'Events' tab. The 'Event type name' is 'event_15087'. The 'Schedule' is set to 'Every Minute'. The 'Payload' is a JSON object with random values for 'randomNumber', 'temp', 'hum', and 'pressure'.

Device Information:

Identity	Device Information	Recent Events	State	Logs
200236	Disconnected	anikani	Device	Nov

Recent Events:

Event	Value	Format	Last Receive
event_15087	{"randomNumber":97,"temp":70,"hum":82}	json	a few seconds ago
event_15087	{"randomNumber":45,"temp":51,"hum":99}	json	a few seconds ago
event_15087	{"randomNumber":7,"temp":57,"hum":88}	json	a few seconds ago
event_15087	{"randomNumber":26,"temp":26,"hum":90}	json	2 minutes ago
event_15087	{"randomNumber":57,"temp":27,"hum":98}	json	2 minutes ago

Device Type: anikani

Events: 1

Event type name: event_15087

Schedule: 1 Every Minute

Payload:

```

0 {
1   "randomNumber": random(0, 100)
2   "temp": random(10, 90)
3   "hum": random(80, 100)
4   "pressure": random(0, 100)
5 }
6

```