

PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

Date	11 November 2022
Team ID	PNT2022TMID30936
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification

CODE:

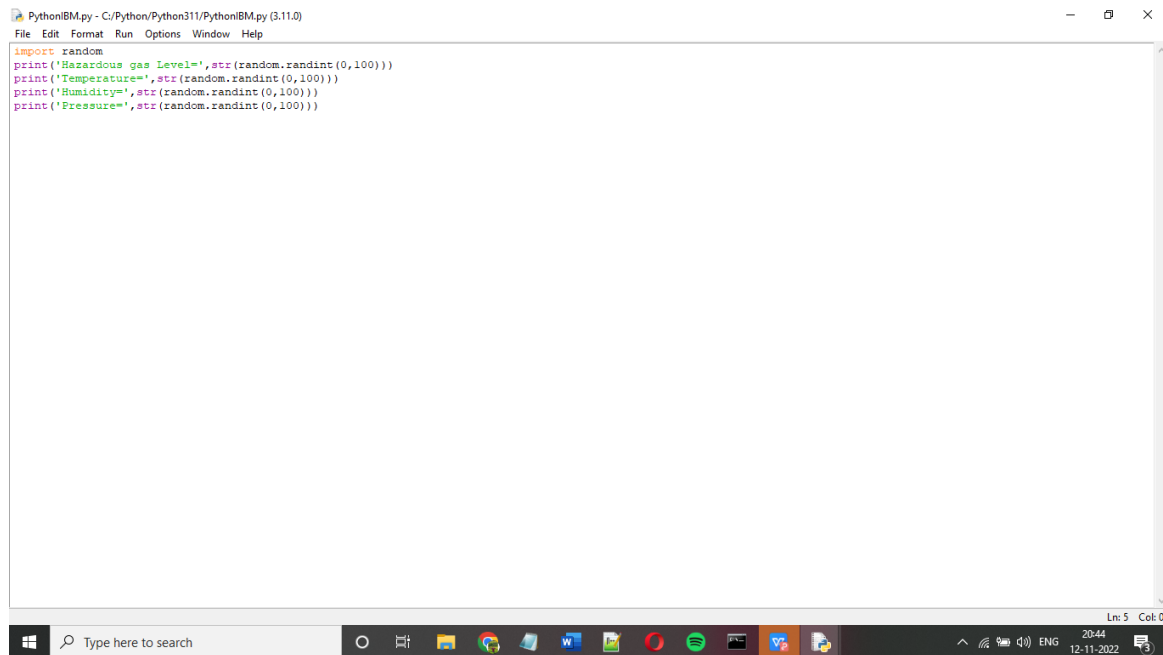
```
import random
```

```
print('Hazardous gas Level=',str(random.randint(0,100)))
```

```
print('Temperature=',str(random.randint(0,100)))
```

```
print('Humidity=',str(random.randint(0,100)))
```

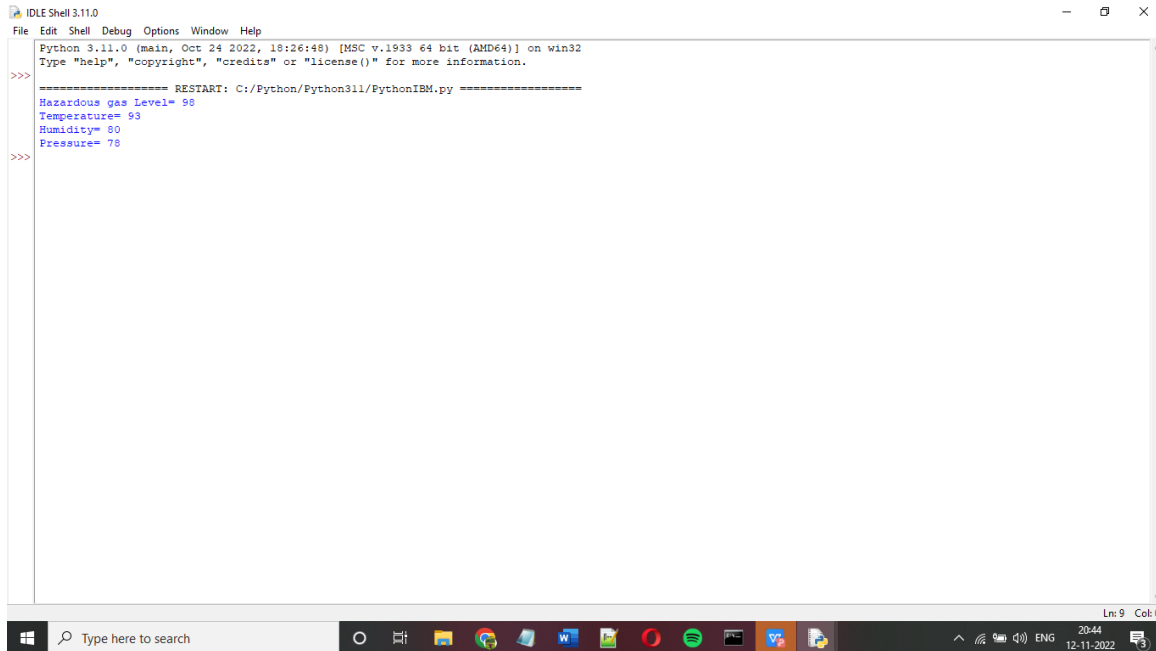
```
print('Pressure=',str(random.randint(0,100)))
```

A screenshot of a Python IDE window titled 'PythonBM.py - C:/Python/Python311/PythonBM.py (3.11.0)'. The window contains the following 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)))
```

The IDE has a menu bar with 'File', 'Edit', 'Format', 'Run', 'Options', 'Window', and 'Help'. The status bar at the bottom shows 'Ln: 5 Col: 0'. The Windows taskbar is visible at the bottom of the screen.

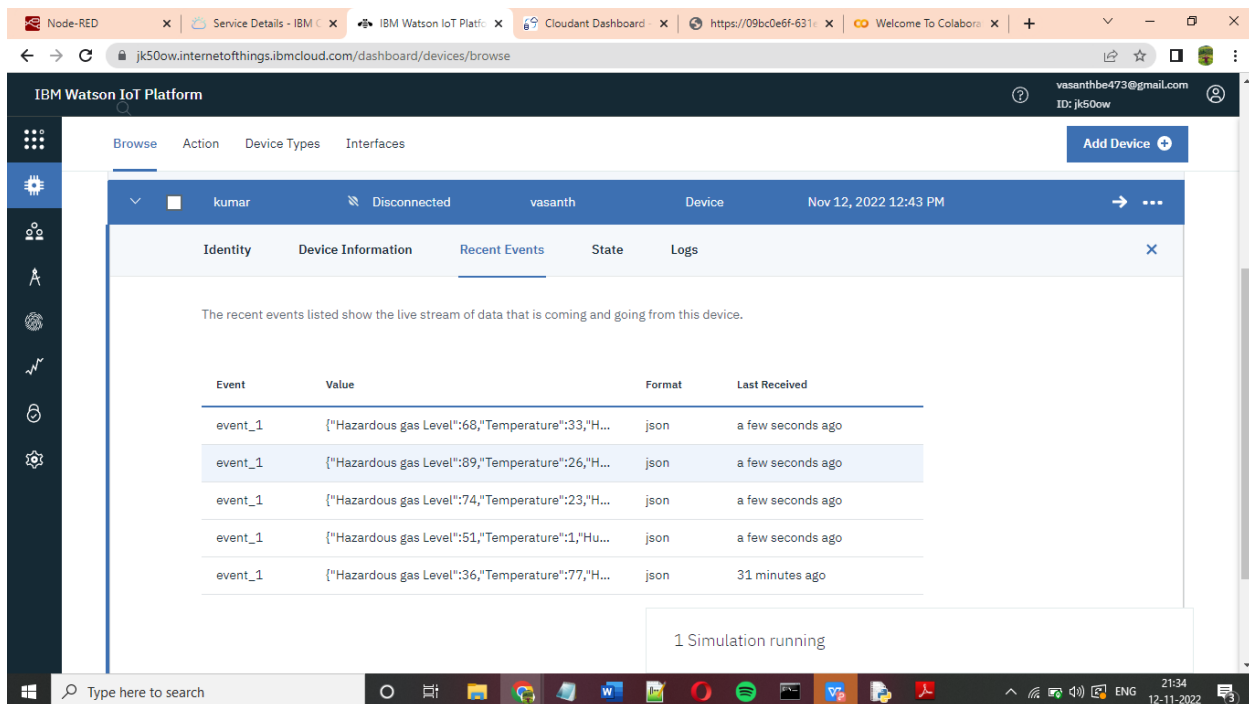
Output:



```
Python 3.11.0 (main, Oct 24 2022, 18:26:48) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

>>>
===== RESTART: C:/Python/Python311/PythonIBM.py =====
Hazardous gas Level= 98
Temperature= 93
Humidity= 80
Pressure= 79
>>>
```

IBM CLOUD OUTPUT:



IBM Watson IoT Platform

Service Details - IBM C | IBM Watson IoT Platf | Cloudant Dashboard | https://09bc0e6f-631e | Welcome To Colabore | +

jk50ow.internetofthings.ibmcloud.com/dashboard/devices/browse

vasanthbe473@gmail.com
ID: jk50ow

Browse Action Device Types Interfaces

Add Device +

▼ kumar Disconnected vasanth Device Nov 12, 2022 12:43 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_1	{"Hazardous gas Level":68,"Temperature":33,"H...	json	a few seconds ago
event_1	{"Hazardous gas Level":89,"Temperature":26,"H...	json	a few seconds ago
event_1	{"Hazardous gas Level":74,"Temperature":23,"H...	json	a few seconds ago
event_1	{"Hazardous gas Level":51,"Temperature":1,"Hu...	json	a few seconds ago
event_1	{"Hazardous gas Level":36,"Temperature":77,"H...	json	31 minutes ago

1 Simulation running