

PYTHON CODE

Team ID	PNT2022TMID03066
Project Name	Smart Waste Management System for Metropolitan Cities

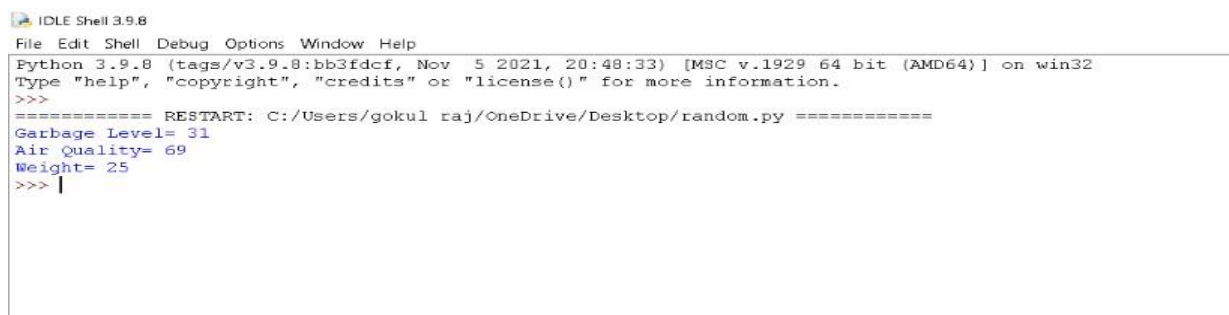
PYTHON CODE

```
import random print('Garbage  
Level=',str(random.randint(0,100))) print('Air  
Quality=',str(random.randint(0,100)))  
print('Weight=',str(random.randint(0,100)))
```

A screenshot of a Python IDE window titled 'random.py - C:/Users/gokul raj/OneDrive/Desktop/random.py (3.9.8)'. The menu bar includes File, Edit, Format, Run, Options, Window, and Help. The code editor contains the following Python code:

```
import random  
print('Garbage Level=',str(random.randint(0,100)))  
print('Air Quality=',str(random.randint(0,100)))  
print('Weight=',str(random.randint(0,100)))
```

OUTPUT

A screenshot of the Python IDE's output window, titled 'IDLE Shell 3.9.8'. The menu bar includes File, Edit, Shell, Debug, Options, Window, and Help. The output text shows the execution of the Python script:

```
Python 3.9.8 (tags/v3.9.8:bb3fddf, Nov 5 2021, 20:48:33) [MSC v.1929 64 bit (AMD64)] on win32  
Type "help", "copyright", "credits" or "license()" for more information.  
>>>  
===== RESTART: C:/Users/gokul raj/OneDrive/Desktop/random.py =====  
Garbage Level= 31  
Air Quality= 69  
Weight= 25  
>>> |
```

The screenshot displays the IBM Watson IoT Platform interface. At the top, there's a navigation bar with 'Browse', 'Action', 'Device Types', and 'Interfaces'. A 'Add Device' button is visible on the right. The main content area shows a device card for '12345', which is 'Disconnected' and named 'Fantastic-4'. The card has a timestamp of 'Nov 7, 2022 10:15 AM'. Below the card, there's a tabbed interface with 'Identity', 'Device Information', 'Recent Events' (selected), 'State', and 'Logs'. The 'Recent Events' tab shows a message: 'The recent events listed show the live stream of data that is coming and going from this device.' Below this message is a table of recent events:

Event	Value	Format	Last Received
event_1	{ "type": "Buffer", "data": [] }	json	a few seconds ago
event_1	{ "#IBM Watson IoT Platform": "#pip install wiot..." }	json	5 minutes ago
event_1	{ "randomNumber": 24 }	json	5 minutes ago

At the bottom of the interface, there's a status bar indicating '1 Simulation running'.