

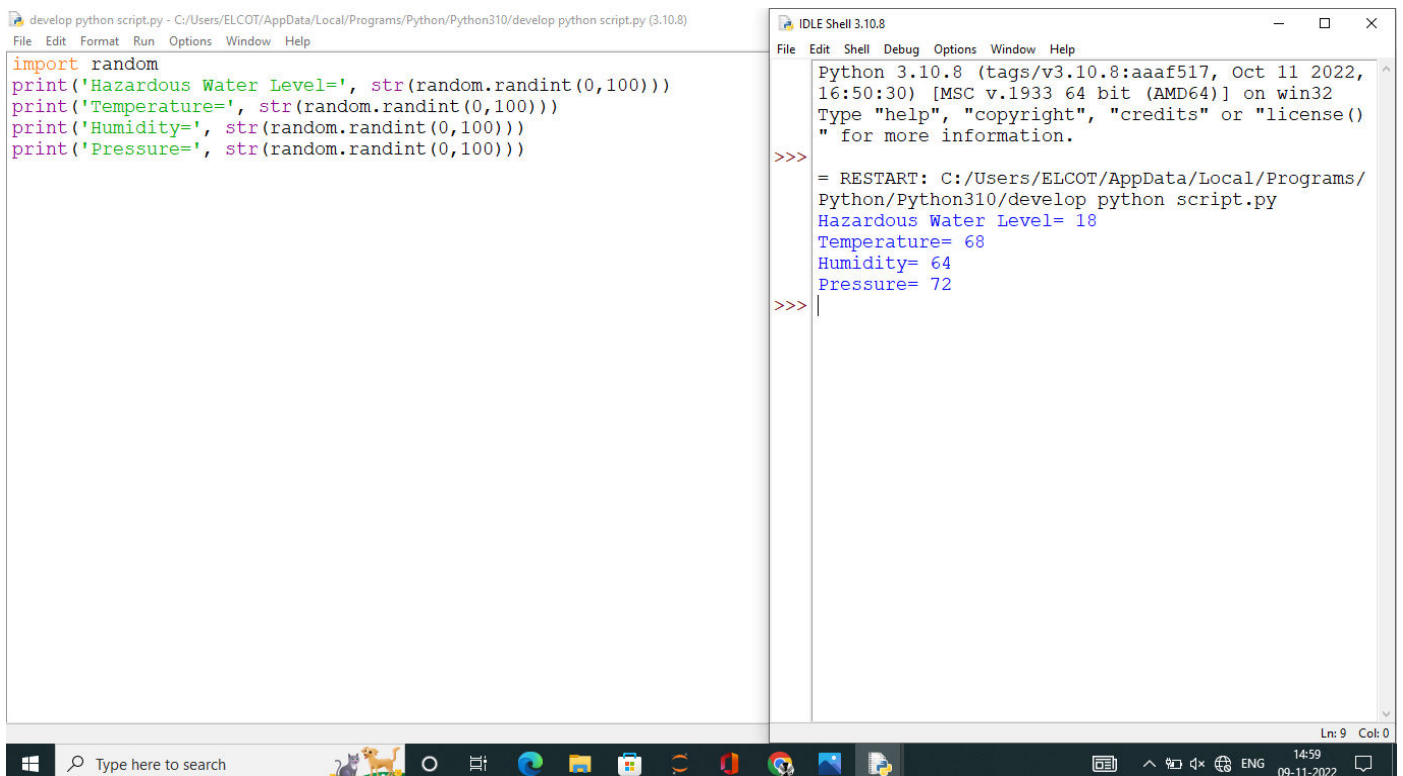
PYTHON CODE (WATER TEMPERATURE,HUMIDITY,PRESSURE)

Date	3 NOVEMBER 2022
Team ID	PNT2022TMID41673
Project Name	REAL -TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM

PYTHON CODE

```
import random
print('Hazardous Water 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:



```
develop python script.py - C:/Users/ELCOT/AppData/Local/Programs/Python/Python310/develop python script.py (3.10.8)
File Edit Format Run Options Window Help
import random
print('Hazardous Water 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)))

IDLE Shell 3.10.8
File Edit Shell Debug Options Window Help
Python 3.10.8 (tags/v3.10.8:aaaf517, Oct 11 2022, 16:50:30) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/ELCOT/AppData/Local/Programs/Python/Python310/develop python script.py
Hazardous Water Level= 18
Temperature= 68
Humidity= 64
Pressure= 72
>>> |
```

Firewall Authentication x Verify your identity - kannan... x My IBM x Service Details - IBM Cloud x IBM Watson IoT Platform x

f6d44l.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform

123435 Disconnected new Device Nov 8, 2022 12:08

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 Water level":27,"Temperature":32,"..."}	json	a few seconds ago
event_1	{"Hazardous Water level":56,"Temperature":65,"..."}	json	a few seconds ago
event_1	{"Hazardous Water level":74,"Temperature":53,"..."}	json	a few seconds ago
event_1	{"Hazardous Water level":55,"Temperature":53,"..."}	json	a few seconds ago
event_1	{"Hazardous Water level":96,"Temperature":5,"H..."}	json	a few seconds ago

Items per page 50 | 1-1 of 1 item

Device Type: new

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.

```

0 {
1   "Hazardous Water level": random(0, 100),
2   "Temperature": random(0, 100),
3   "Humidity": random(0, 100),
4   "Pressure 11": random(0, 100)
5 }
6

```

Cancel Save

3:32 PM 11/9/2022

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IBM Watson IoT Platform

123435 Disconnected new Device Nov 8, 2022 12:08 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
data	{"Turbidity":203,"pH_value":8}	json	a few seconds ago
data	{"Turbidity":597,"pH_value":12}	json	a few seconds ago
data	{"Turbidity":110,"pH_value":10}	json	a few seconds ago
data	{"Turbidity":608,"pH_value":9}	json	a few seconds ago
data	{"Turbidity":393,"pH_value":10}	json	a few seconds ago

Items per page 50 | 1-1 of 1 item

1 Simulation running

3:46 PM 11/9/2022