

## PUBLISH DATA TO IBM CLOUD

Team ID	TNT2022TMID46761
Team Name	Real-Time River Water Quality Monitoring and Control System

## OUTPUT FROM PYTHON CODE:

```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:06:47) [MSC v.1914 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\Admin\Documents\realprogram.py =====
2022-11-16 19:59:45,414 - ibmiotf.device.Client - INFO - Connected successfully: d:8egjb2:monitoring:monitoring123
Published, Temperature = 77 % pH_Value = 2 pH_Turbidity_Value = 72 % to IBM Watson
Published, Temperature = 18 % pH_Value = 6 pH_Turbidity_Value = 50 % to IBM Watson
Published, Temperature = 50 % pH_Value = 0 pH_Turbidity_Value = 49 % to IBM Watson
Published, Temperature = 7 % pH_Value = 9 pH_Turbidity_Value = 49 % to IBM Watson
Published, Temperature = 89 % pH_Value = 10 pH_Turbidity_Value = 0 % to IBM Watson
Published, Temperature = 64 % pH_Value = 5 pH_Turbidity_Value = 39 % to IBM Watson
Published, Temperature = 13 % pH_Value = 2 pH_Turbidity_Value = 41 % to IBM Watson
|
```

## DEVICE CONNECTION:

8egjb2.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform

swethaa1492001@gmail.com  
ID: 8egjb2

Browse Action Device Types Interfaces

All Devices Diagnose

Add Device +

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID

Device Simulator ☒

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added
>	<input type="checkbox"/> Swethaa123	Disconnected	Swethaa	Device	Oct 28, 2022 1:30 PM
>	<input type="checkbox"/> monitoring123	Connected	monitoring	Device	Nov 16, 2022 9:58 AM

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0 Simulations running

## PUBLISHED DATA IN IMB CLOUD:

IBM Watson IoT Platform

swethaa1492001@gmail.com  
ID: 8egjb2

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### Device Drilldown - monitoring123

- Connection Information
- Recent Events
- State
- Device Information
- Metadata
- Diagnostics
- Connection Logs
- Device Actions

#### Connection Information

Basic connection information about this device.

Device ID	monitoring123
Device Type	monitoring
Date Added	Nov 16, 2022 9:58 AM
Added By	swethaa1492001@gmail.com
Connection Status	Connected
Connection Time: Nov 16, 2022 7:51 PM	
Client Address: 103.88.77.173 SecureToken	

Recent Events

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IBM Watson IoT Platform

swethaa1492001@gmail.com  
ID: 8egjb2

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### Device Drilldown - monitoring123

- Connection Information
- Recent Events
- State
- Device Information
- Metadata
- Diagnostics
- Connection Logs
- Device Actions

#### Recent Events

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
IoTSensor	{"Temp":37,"pH":13,"Turbidity":88}	json	a few seconds ago
IoTSensor	{"Temp":60,"pH":10,"Turbidity":76}	json	a few seconds ago
IoTSensor	{"Temp":10,"pH":0,"Turbidity":78}	json	a few seconds ago

State

This table shows a list of data points that are reported

0 Simulations running