

PROJECT DEVELOPMENT PHASE DELIVERY OF SPRINT – 2

Team ID	PNT2022TMID46761
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

The screenshot displays the IBM Watson IoT Platform dashboard. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains icons for various functions. The main content area shows a table of devices with columns for Device ID, Status, Device Type, Class ID, and Date Added. Two devices are listed: 'Swethaa123' (Disconnected) and 'monitoring123' (Connected). The 'monitoring123' device is highlighted with a green status indicator. Below the table, it indicates '0 Simulations running'.

Device ID	Status	Device Type	Class ID	Date Added
Swethaa123	Disconnected	Swethaa	Device	Oct 28, 2022 1:30 PM
monitoring123	Connected	monitoring	Device	Nov 16, 2022 9:58 AM

PUBLISHED DATA IN IMB CLOUD

IBM Watson IoT Platform

← Back

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

0 Simulations running

IBM Watson IoT Platform

← Back

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.

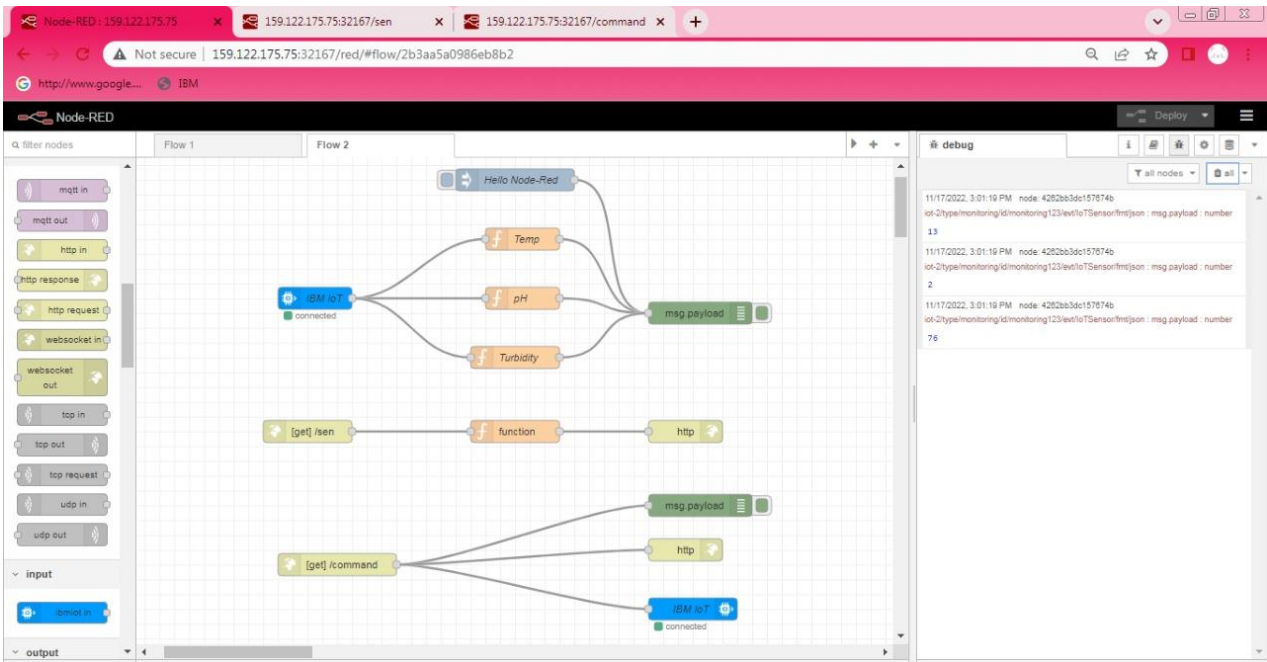
Event	Value	Format	Last Received
IoTSensor	{"Temp":37,"pH":13,"Turbidity":88}	json	a few seconds ago
IoTSensor	{"Temp":60,"pH":10,"Turbidity":76}	json	a few seconds ago
IoTSensor	{"Temp":10,"pH":0,"Turbidity":78}	json	a few seconds ago

State

This table shows a list of data points that are reported

0 Simulations running

NODE RED



PUBLISHED DATA



