

**DEVELOP THE PYTHON SCRIPT  
PUBLISH DATA TO THE IBM CLOUD**

Date	15 November 2022
Team ID	PTN2022TMID32705
Project Name	Real Time River Water Quality Monitoring And Control System

**PUBLISH DATA TO THE IBM CLOUD :**

**OUTPUT OF PYTHON SCRIPT:**

```
C:\Windows\System32\cmd.exe - python randscrip.py
Microsoft Windows [Version 10.0.22000.1219]
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D:\IOT_PROJECT>python randscrip.py
Temp: 87.80 F / 31.0 C    pH: 11.0  Turbidity:0.83NTU
Published
Temp: 93.20 F / 34.0 C    pH: 7.0   Turbidity:0.66NTU
Published
Temp: 86.00 F / 30.0 C    pH: 10.0  Turbidity:1.59NTU
Published
Temp: 104.00 F / 40.0 C   pH: 0.0   Turbidity:0.41NTU
Published
```

## DATA CONNECTED TO THE IBM CLOUD WATSON:

### OUTPUT:

The screenshot displays the IBM Watson IoT Platform interface. The main dashboard shows a list of devices, including 'deivanai' (Disconnected) and 'devi\_1' (Connected). The 'devi\_1' device is selected, and its configuration is shown in the right-hand pane. The configuration includes a 'Device Type' of 'devi', an 'Event type name' of 'eventbatch11', and a 'Schedule' of 'Every Minute'. The 'Payload' section shows a JSON structure with random values for 'randomNumber', 'temp', and 'hum'.

**Device Configuration:**

- Device Type: devi
- Event type name: eventbatch11
- Schedule: 1 Every Minute
- Payload: Specify the event payload in the editor window or by uploading a [CSV file](#).

**Recent Events:**

Event	Value
eventbatch11	{"randomNumber":9,"temp":29,"hum":85}
eventbatch11	{"randomNumber":39,"temp":31,"hum":86}
eventbatch11	{"randomNumber":26,"temp":55,"hum":88}

The bottom of the screen shows the Windows taskbar with the search bar and various application icons. The system clock indicates the time is 22:18 on 15-11-2022.