

**Develop the python script**  
**2. Publish the data to IBM Cloud**

Date	13 November 2022
Team ID	PNT2022TMID10555
Project name	Project-Real Time River Water Quality Monitoring And Control System
Maximum Marks	4 Mks

**Publish data to IBM Cloud:**

lot device have been created in watson platform and the credentials have been used in the python code to publish data in IBM Cloud

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## Device Drilldown - 24681012

### Device Credentials

[Connection Information](#)[Recent Events](#)[State](#)[Device Information](#)[Metadata](#)[Diagnostics](#)[Connection Logs](#)[Device Actions](#)

## Device Credentials

You registered your device to the organization and added these credentials to the device to connect to the platform. After the device is connected, you can navigate to view connection and event details.

Organization ID	sovqa3
Device Type	Iot-Rtrwqmacs
Device ID	24681012
Authentication Method	use-token-auth
Authentication Token	12345678



Authentication tokens are non-recoverable. If you misplace this token, you will need to generate a new authentication token.

[Find out how to add these credentials to your device](#) ➔

## Connection Information

Basic connection information about this device.

Device ID	24681012
Device Type	Iot-Rtrwqmacs
Date Added	Nov 13, 2022 11:39 AM
Added By	720819106108@hit.edu.in
Connection Status	Disconnected

## Recent Events

The recent events listed show the live

```

#define senselInput
#define ORG "sovqa3"// IBM ORGANIZATION ID
#define DEVICE_TYPE "Iot-Rtrwqmacs"//DEVICE TYPE MENTIONED IN IOT WATSON PLATFORM
#define DEVICE_ID "24681012"//DEVICE ID MENTIONED IN IOT WATSON PLATEFORM
#define TOKEN "12345678"//Token

String data3;

float dist;

```

```

//-----customize the above value-----

char server[]=ORG ".messaging.internetofthings.ibmcloud.com";//server name

char publishtopic[]="rtrwqmacs/evt/Data/fmt/json";//*topic name and type of event perform
and format in which data to be send*/

char subscribetopic[]="rtrwqmacs/cmd/test/fmt/String";//*cmd REPRESENT Command tupe and
COMMAND IS TEST OF FORMAT STRING*/

char authMethod[]="use-token-auth";//authentication method

char token[]=TOKEN;

char clientid[]="d:" ORG ":" DEVICE_TYPE ":" DEVICE_ID;//CLIENT ID

//-----

```

Data has been published successfully in IBM Cloud through cloudant database



Monitoring



Databases



Replication



Active Tasks



Account



Support



Documentation

## Databases

Database name



Create Database



### Your Databases

Name	Size	# of Docs	Partitioned	Actions
iot_rtrwqmacs	0 bytes	0	No	  

Line chart is created to infer sensor functioning and data analysis.....

IBM Watson IoT Platform

720819106108@hit.edu.in  
ID: sovqa3

## Create Card

Card type  
Select card type

### Devices

Generic visualisation	Line chart	Bar chart	Donut chart
Value	Gauge	Semaphore	Device Properties
All device properties	Device list	Device info	Device map

### Usage

You currently have an empty board

+ Add New Card



Card source data

10987654321

24681012

IOT\_RTRWQMACS\_1

Card preview

Card information

## Create Line chart Card

Connect data set

pH



Temperature

[+ Connect new data set](#)

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You currently have an empty board

[+ Add New Card](#)



Card source data

10987654321

24681012

IOT\_RTRWQMACS\_1

Card preview

Card information

## Create Line chart Card

Select the card size and specify additional information



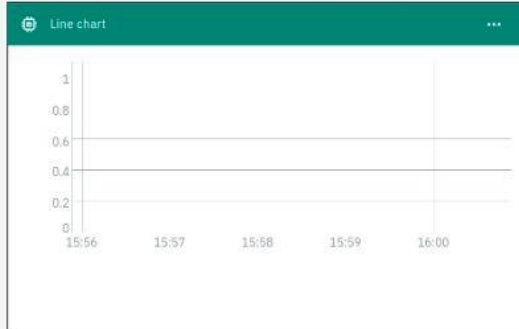
Settings

S

M

L

XL



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You currently have an empty board

[+ Add New Card](#)