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

Date	13 November 2022
Team ID	PNT2022TMID31526
Project name	Project-Real Time River Water Quality Monitoring And Control System
Maximum Marks	4 Mks

Publish data to IBM Cloud:

Iot 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 organizat
these credentials to the device to connect
platform. After the device is connected, yo
navigate to view connection and event det

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
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 senseInput
#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
//-----------------------------------
```
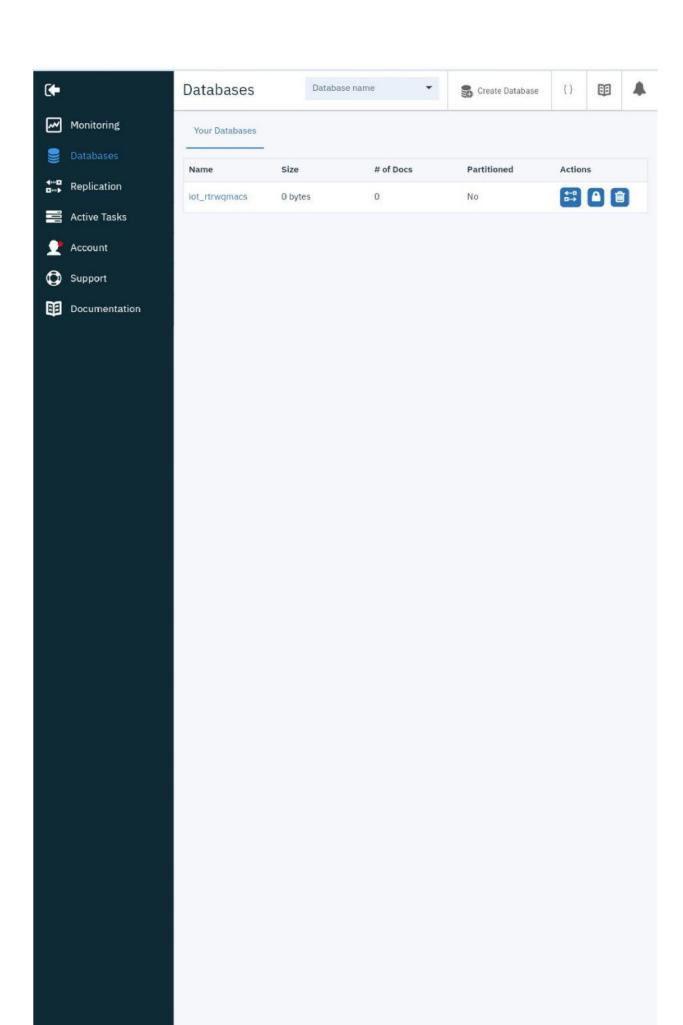
Data has been published successfully in IBM Cloud through cloudant database

Databases

Database name ▼

Create Database

{ }

Your Databases

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

Monitoring

Databases

Replication

Active Tasks

Account

Support

Documentation

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

ettings

Create Line chart Card

Card source data

10987654321

24681012

IOT_RTRWQMACS_1

Card preview

Card information

Connect data set

___

☰ pH   🗑

☰ Temperature   🗑

⊕ Connect new data set

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You currently have an empty board

＋ Add New Card

Create Line chart Card

Select the card size and specify additional information

Card source data

10987654321

24681012

IOT_RTRWQMACS_1

Card preview

Card information

Settings   S   M   L   XL

Line chart   •••

1
0.8
0.6
0.4
0.2
0
15:56   15:57   15:58   15:59   16:00

Back   Next

You currently have an empty board

+   Add New Card