

# Assignment-5

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Create a web dashboard to take user input for scheduling the pump controller (date & time). store the data in the Cloudant DB.

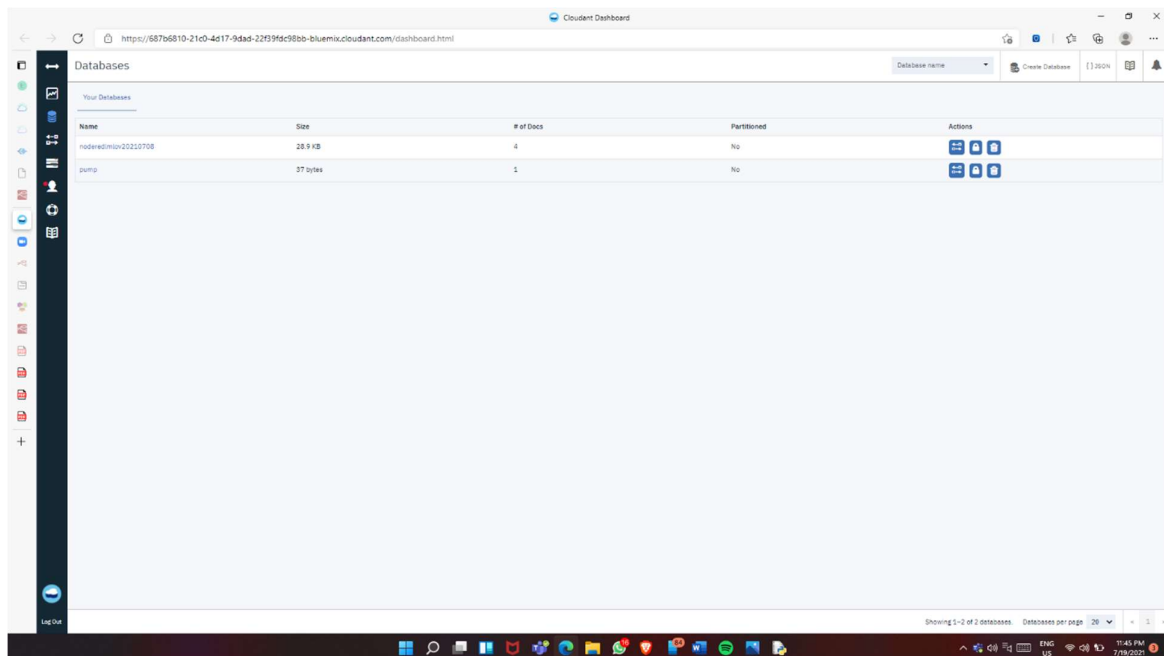
CODE:

```
from ibmcloudant.cloudant_v1 import CloudantV1
from ibmcloudant import CouchDbSessionAuthenticator
from ibm_cloud_sdk_core.authenticators import BasicAuthenticator

authenticator = BasicAuthenticator ('apikey-v2-iiwv155oyuqn8926rs03abrutdx7cq9amwyiafj6yv', '6b6e1e8908dbc8222fd74eb7ff7b770b')
service = CloudantV1(authenticator=authenticator)
service.set_service_url('https://apikey-v2-iiwv155oyuqn8926rs03abrutdx7cq9amwyiafj6yv.6b6e1e8908dbc8222fd74eb7ff7b770b@687b6810-21c0-4d17-9dad-22f39fdc98bb-bluemix.cloudantnosql')
products_doc = {
    "DATE": "19/07/21",
    "TIME": "09:32 PM"
}

response = service.post_document (db='pump', document=products_doc).get_result()
print (response)
```

## Create Database



## code execution

```
IDLE Shell 3.9.6
File Edit Shell Debug Options Window Help
Python 3.9.6 (tags/v3.9.6:db3ff76, Jun 28 2021, 15:26:21) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
==== RESTART: C:\Users\prana\AppData\Local\Programs\Python\Python39\pump.py ====
{'ok': True, 'id': '6b1866e7eb952bd980d1dd82db25f276', 'rev': '1-770dc389e543f5e0dcdf12897bbe3bd8'}
>>>
```

Ln: 6 Col: 4

After the code execution we can view the data in the cloudant Database

The image displays two screenshots of the Cloudant Dashboard interface.

**Top Screenshot: Databases Page**

The top screenshot shows the 'Databases' page in the Cloudant Dashboard. The URL is <https://687b6810-21c0-4d17-9dad-22f9f9dc98b0-bluemix.cloudant.com/dashboard.html>. The page title is 'Databases'. Below the title, there is a table listing the databases:

Name	Size	# of Docs	Partitioned	Actions
moderatedmix/20220708	28.5 KB	4	No	[Icons]
pump	37 bytes	1	No	[Icons]

The bottom of the table shows 'Showing 1-2 of 2 databases' and 'Databases per page: 25'.

**Bottom Screenshot: Document View**

The bottom screenshot shows the 'pump' database document view. The URL is [https://687b6810-21c0-4d17-9dad-22f9f9dc98b0-bluemix.cloudant.com/dashboard.html#database/pump/\\_all\\_docs](https://687b6810-21c0-4d17-9dad-22f9f9dc98b0-bluemix.cloudant.com/dashboard.html#database/pump/_all_docs). The page title is 'pump'. The left sidebar shows 'All Documents', 'Query', 'Permissions', 'Changes', and 'Design Documents'. The main content area shows a table with one document:

ID	Key	Value
9981f0d8e0c5e43f5dc199b-95503	9981f0d8e0c5e43f5dc199b-95503	{ "key": "1-770ac399e5d3f5e6dca128973ae3ad8" }

The bottom of the table shows 'Showing document 1-1' and 'Documents per page: 25'.

