

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:

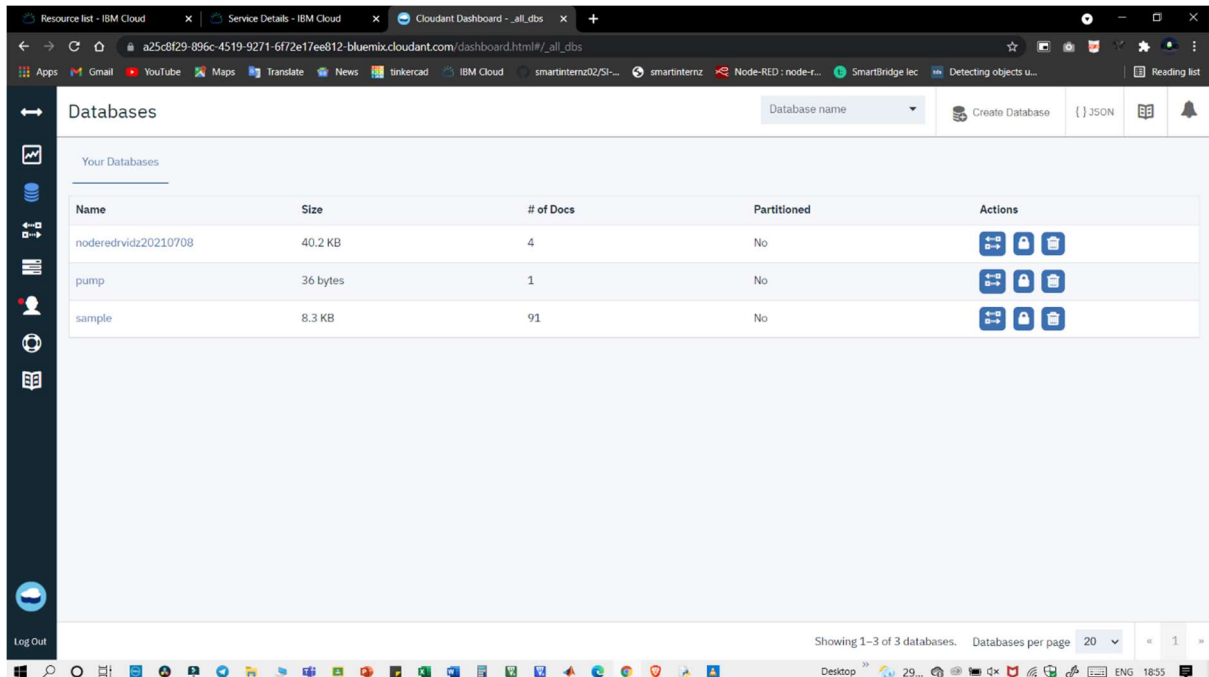
```
pump.py - C:/Users/Jitendra/Desktop/cv_python_test/Cloud Service/pump.py (3.9.6)
File Edit Format Run Options Window Help
from ibmcloudant.cloudant_v1 import CloudantV1
from ibmcloudant import CouchDbSessionAuthenticator
from ibm_cloud_sdk_core.authenticators import BasicAuthenticator

authenticator = BasicAuthenticator ('apiKey-v2-2zkoalui6u6o925d75ws1501vs84dtwo15gp6alouki7', '2d6493f596f42f077fc5e515aa1cd0e4')
service = CloudantV1 (authenticator=authenticator)
service.set_service_url ('https://apiKey-v2-2zkoalui6u6o925d75ws1501vs84dtwo15gp6alouki7:2d6493f596f42f077fc5e515aa1cd0e4@25c8f29-896c-4519-9271-6f72e17ee812-blueemix.cloudantnosqldb.appdomain

products_doc = {
    "DATE": "17/07/21",
    "TIME": "6:46 PM"
}

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

Create Database

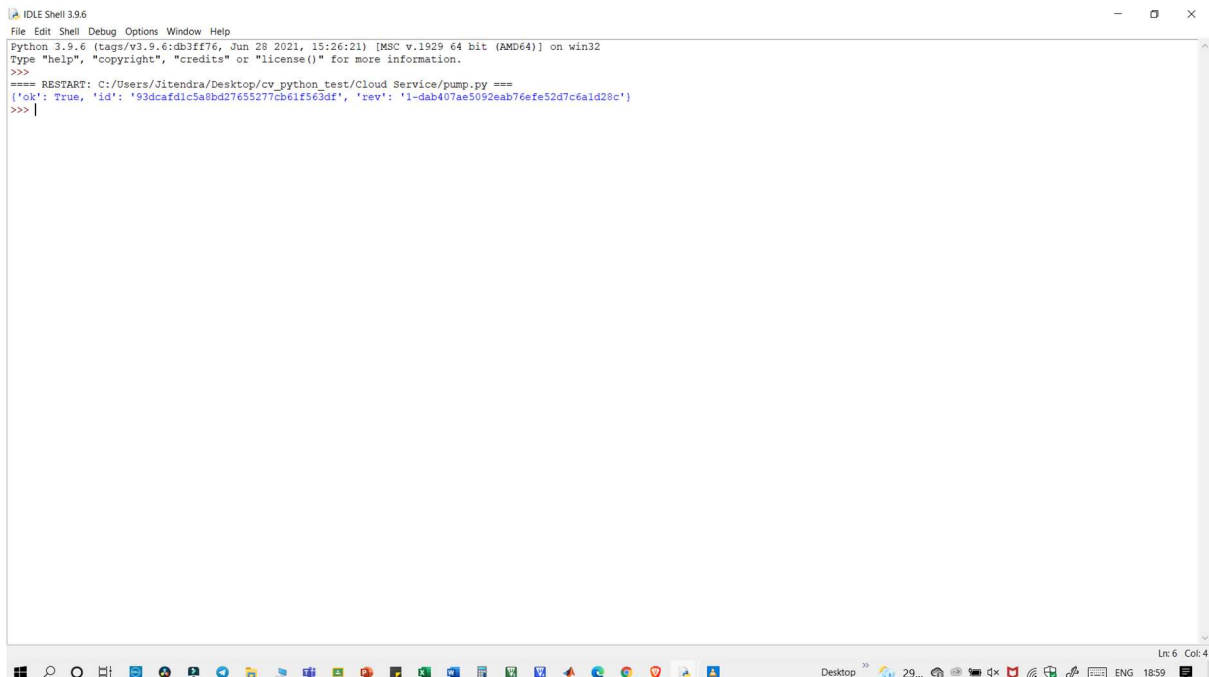


The screenshot shows the IBM Cloudant Databases dashboard. The page title is "Databases". Below the title, there is a "Create Database" button and a "JSON" icon. The main content area displays a table of databases:

Name	Size	# of Docs	Partitioned	Actions
noderedrviz20210708	40.2 KB	4	No	[Icons for edit, lock, delete]
pump	36 bytes	1	No	[Icons for edit, lock, delete]
sample	8.3 KB	91	No	[Icons for edit, lock, delete]

At the bottom of the dashboard, it says "Showing 1-3 of 3 databases. Databases per page 20".

code execution



The screenshot shows a Python 3.9.6 shell window. The command prompt is `>>>`. The user has entered the following code:

```
>>> python 3.9.6 (tags/v3.9.6:db3f776, 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/Jitendra/Desktop/cv_python_test/Cloud Service/pump.py ====
{'ok': True, 'id': '93dcafd1c5a8bd27655277cb61f563df', 'rev': '1-dab407ae5092eab76efe52d7c6a1d28c'}
>>>
```

The output shows the script execution result: `{'ok': True, 'id': '93dcafd1c5a8bd27655277cb61f563df', 'rev': '1-dab407ae5092eab76efe52d7c6a1d28c'}`.

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

The screenshot shows the Cloudant Databases dashboard. The left sidebar contains navigation icons. The main area displays a table of databases:

Name	Size	# of Docs	Partitioned	Actions
noderedrviz20210708	40.2 KB	4	No	[Icons for Add, Edit, Delete]
pump	36 bytes	1	No	[Icons for Add, Edit, Delete]
sample	8.3 KB	91	No	[Icons for Add, Edit, Delete]

At the bottom, it says "Showing 1-3 of 3 databases. Databases per page: 20".

The screenshot shows the Cloudant document view for the 'pump' database. The left sidebar shows navigation options: All Documents, Query, Permissions, Changes, and Design Documents. The main area displays a table of documents:

Id	key	value
93dcafd1c5a8bd27655277cb61f563df	93dcafd1c5a8bd27655277cb61f563df	{ "rev": "1-dab407ae5092eab76efe52d7c6a1d..." }

At the bottom, it says "Showing document 1 - 1. Documents per page: 20".

Resource list - IBM Cloud x Service Details - IBM Cloud x Cloudant Dashboard - database x +

a25c8f29-896c-4519-9271-6f72e17ee812-bluemix.cloudant.com/dashboard.html#database/pump/93dcafd1c5a8bd27655277cb61f563df

Apps Gmail YouTube Maps Translate News tinkercad IBM Cloud smartinternz02/SI-... smartinternz Node-RED: node-r... SmartBridge Iec Detecting objects u... Reading list

pump > 93dcafd1c5a8bd27655277cb61f563df [JSON] [] [] []

Save Changes Cancel Upload Attachment Clone Document Delete

```
1 {
2   "_id": "93dcafd1c5a8bd27655277cb61f563df",
3   "_rev": "1-dab407ae5892eab76efe52d7c6a1d28c",
4   "DATE": "17/07/21",
5   "TIME": "6:46 PM"
6 }
```

Log Out

Desktop 29... ENG 18:55