

SmartBridge Externship Program

Internet of Things

Assignment 5

Name: Jaishree Sharma

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

you can use Form Nodes in dashboard nodes to take user input

Code:

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

authenticator = BasicAuthenticator('apikey-v2-
1eqdq09ft2wf7gjqlscocw4lichwljwfj213q5cg809d','c4eb7c392f63fbe5d7050b8
6a867926e')

service = CloudantV1(authenticator=authenticator)

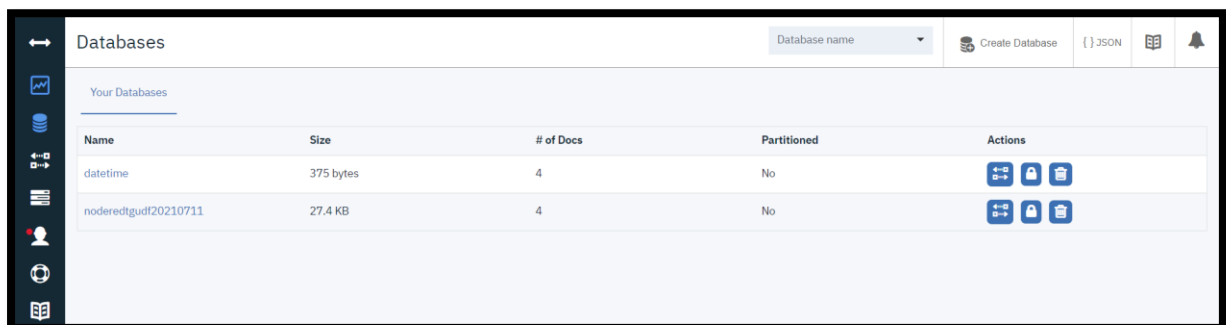
service.set_service_url('https://apikey-v2-
1eqdq09ft2wf7gjqlscocw4lichwljwfj213q5cg809d:c4eb7c392f63fbe5d7050b86
a867926e@0a7a725c-a76d-4389-bdbb-055690364fe8-
bluemix.cloudantnosqldb.appdomain.cloud')

products_doc = {
    "name" : "GCET",
    "Domain" : "IoT"
}
```







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

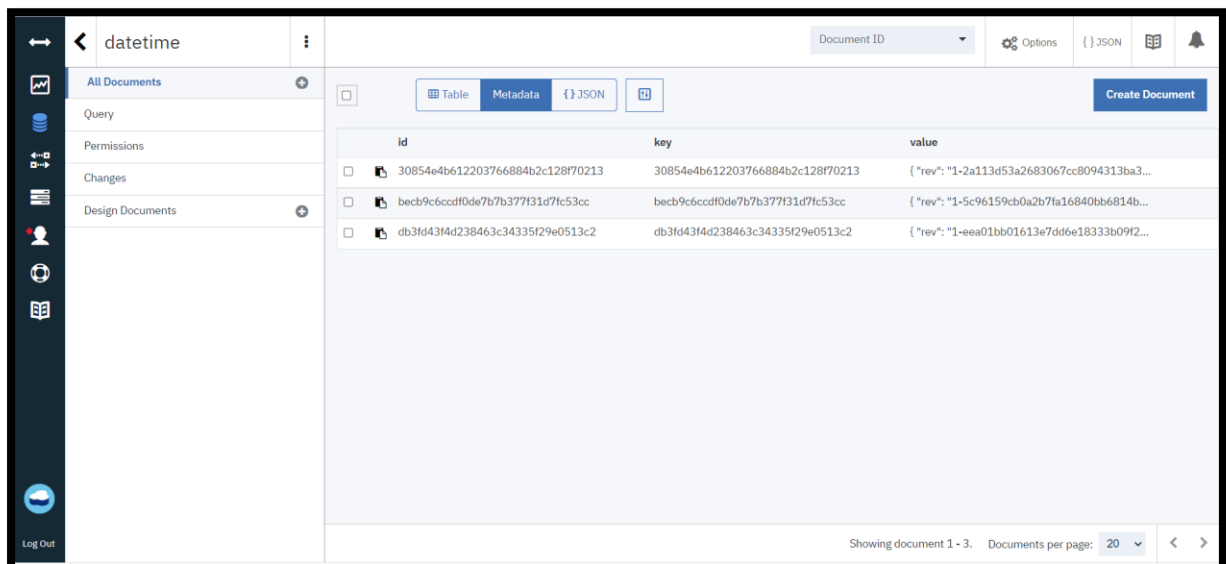
```
print(response)
```

Cloudant:






The screenshot shows the 'Databases' page in the Cloudant console. It features a sidebar with navigation icons and a main content area with a table of databases. The table has columns for Name, Size, # of Docs, Partitioned, and Actions. Two databases are listed: 'datetime' (375 bytes, 4 docs) and 'nodereditgudf20210711' (27.4 KB, 4 docs). Both are not partitioned. Action icons for each database include a plus sign, a lock, and a trash can.

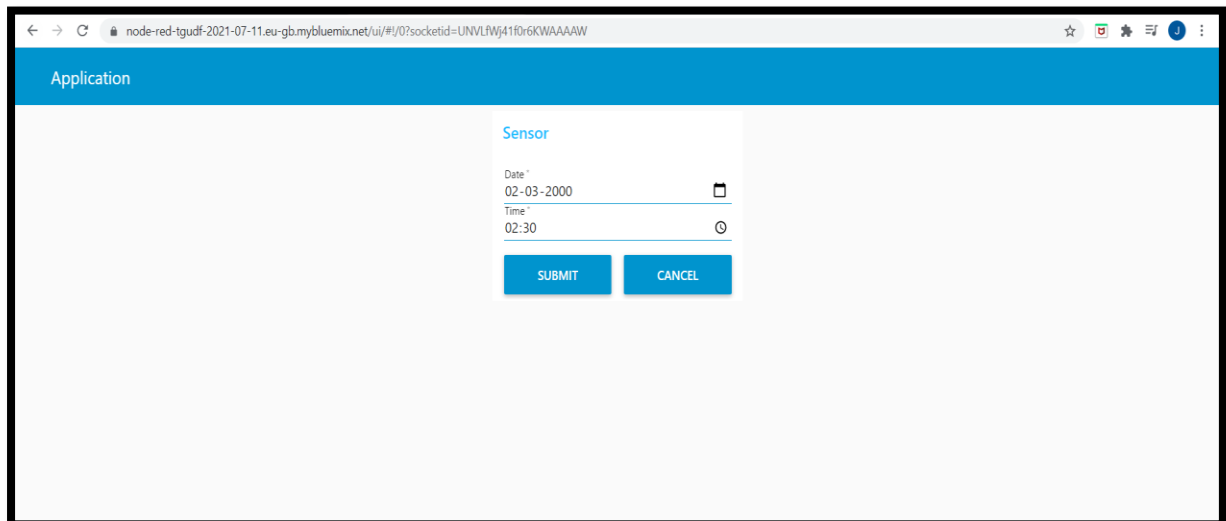
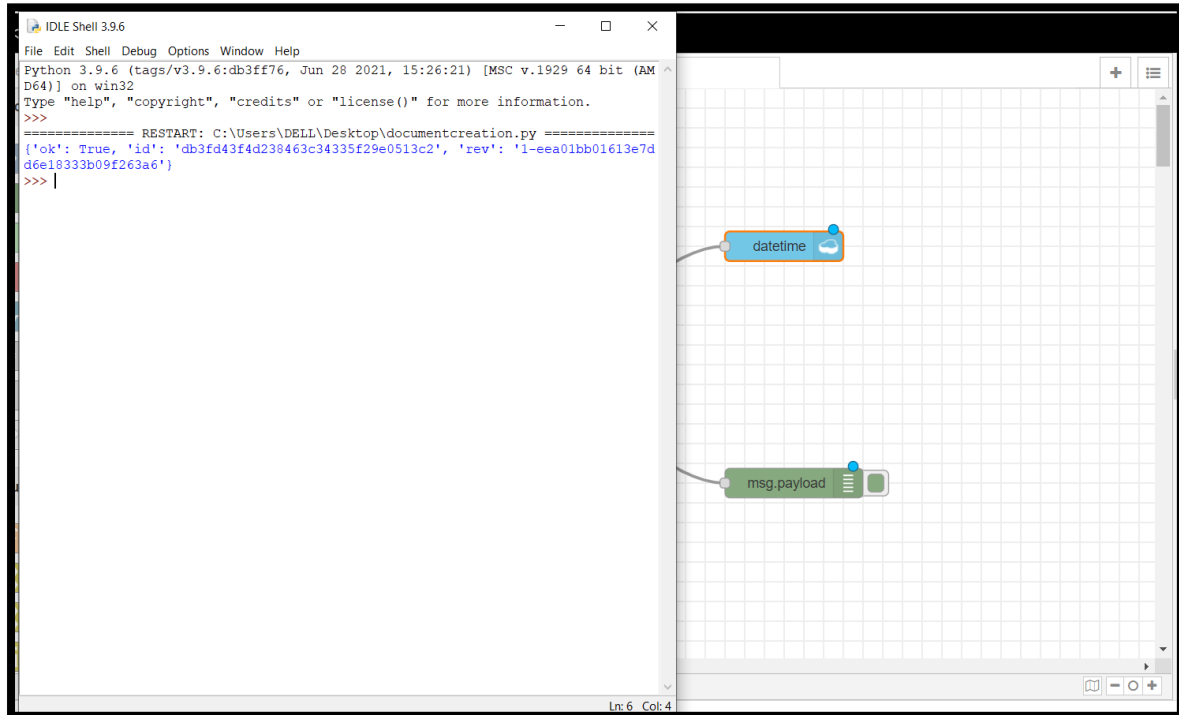
Name	Size	# of Docs	Partitioned	Actions
datetime	375 bytes	4	No	  
nodereditgudf20210711	27.4 KB	4	No	  



The screenshot shows the 'datetime' database document view in the Cloudant console. It features a sidebar with navigation icons and a main content area with a table of documents. The table has columns for id, key, and value. Three documents are listed, each with a checkbox, a document icon, and a truncated JSON value. A 'Create Document' button is visible in the top right. The bottom of the page shows pagination information: 'Showing document 1 - 3. Documents per page: 20'.

id	key	value
<input type="checkbox"/>  30854e4b612203766884b2c128f70213	30854e4b612203766884b2c128f70213	{ "rev": "1-2a113d53a2683067cc8094313ba3..." }
<input type="checkbox"/>  becb9c6ccdf0de7b7b377f31d7fc53cc	becb9c6ccdf0de7b7b377f31d7fc53cc	{ "rev": "1-5c96159cb0a2b7fa16840bb6814b..." }
<input type="checkbox"/>  db3fd43f4d238463c34335f29e0513c2	db3fd43f4d238463c34335f29e0513c2	{ "rev": "1-eea01bb01613e7dd6e18333b09f2..." }

Output:



datetime > 30854e4b612203766884b2c128f70213

Save ChangesCancel

Upload AttachmentClone DocumentDelete

1

2

3

4

5

6

7

8

9

```
1 {
2   "_id": "30854e4b612203766884b2c128f70213",
3   "_rev": "1-2a113d53a2683067cc8094313ba3a940",
4   "payload": {
5     "Date": "2000-03-01T18:30:00.000Z",
6     "Time": "1969-12-31T20:52:00.000Z"
7   },
8   "socketid": "UNVLFwJ41f0-6KwAAAAA"
9 }
```

