

VIT-IOT-INDUSTRY CERTIFICATE-EXTERNSHIP PROGRAM

ASSIGNMENT-5

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Q. 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-
1eqdq09ft2wf7gjqjscocw4lichwljwfj213q5cg809d','c4eb7c392f63fbe5d7050b8
6a867926e')

service = CloudantV1(authenticator=authenticator)

service.set_service_url('https://apikey-v2-
1eqdq09ft2wf7gjqjscocw4lichwljwfj213q5cg809d: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:

Your Databases

Name	Size	# of Docs	Partitioned	Actions
datetime	375 bytes	4	No	<div><div></div><div></div><div></div></div>
noderecrguif20210711	27.4 KB	4	No	<div><div></div><div></div><div></div></div>

All Documents

Query

Permissions

Changes

Design Documents

Table

Metadata

JSON

Create Document

	id	key	value
<input type="checkbox"/>	30854e4b612203766884b2c128f70213	30854e4b612203766884b2c128f70213	{ "rev": "1-2a113d53a2683067cc8094313ba3..." }
<input type="checkbox"/>	becb9c6ccff0de7b7b377f31d7fc53cc	becb9c6ccff0de7b7b377f31d7fc53cc	{ "rev": "1-5c96159cb0a2b7fa16840bb6814b..." }
<input type="checkbox"/>	db3fd43f4d238463c34335f29e0513c2	db3fd43f4d238463c34335f29e0513c2	{ "rev": "1-eaa01bb01613e7dd6e18333b09f2..." }

Showing document 1 - 3. Documents per page: 20

Application

Sensor

Date*

02-03-2000

Time*

02:30

SUBMIT

CANCEL

datetime > 30854e4b612203766884b2c128f70213

{ }JSON

Save Changes

Cancel

Upload Attachment

Clone Document

Delete

1

2

3

4

5

6

7

8

9

```
1 {
2   "_id": "30854e4b612203766884b2c128f70213",
3   "_rev": "1-2a113d53a7683067cc8094113ba3a940",
4   "payload": {
5     "Date": "2000-03-01T18:30:00.000Z",
6     "Time": "1969-12-31T20:52:00.000Z"
7   },
8   "socketid": "UNVLFwj41F8r6KHAAGAN"
9 }
```

