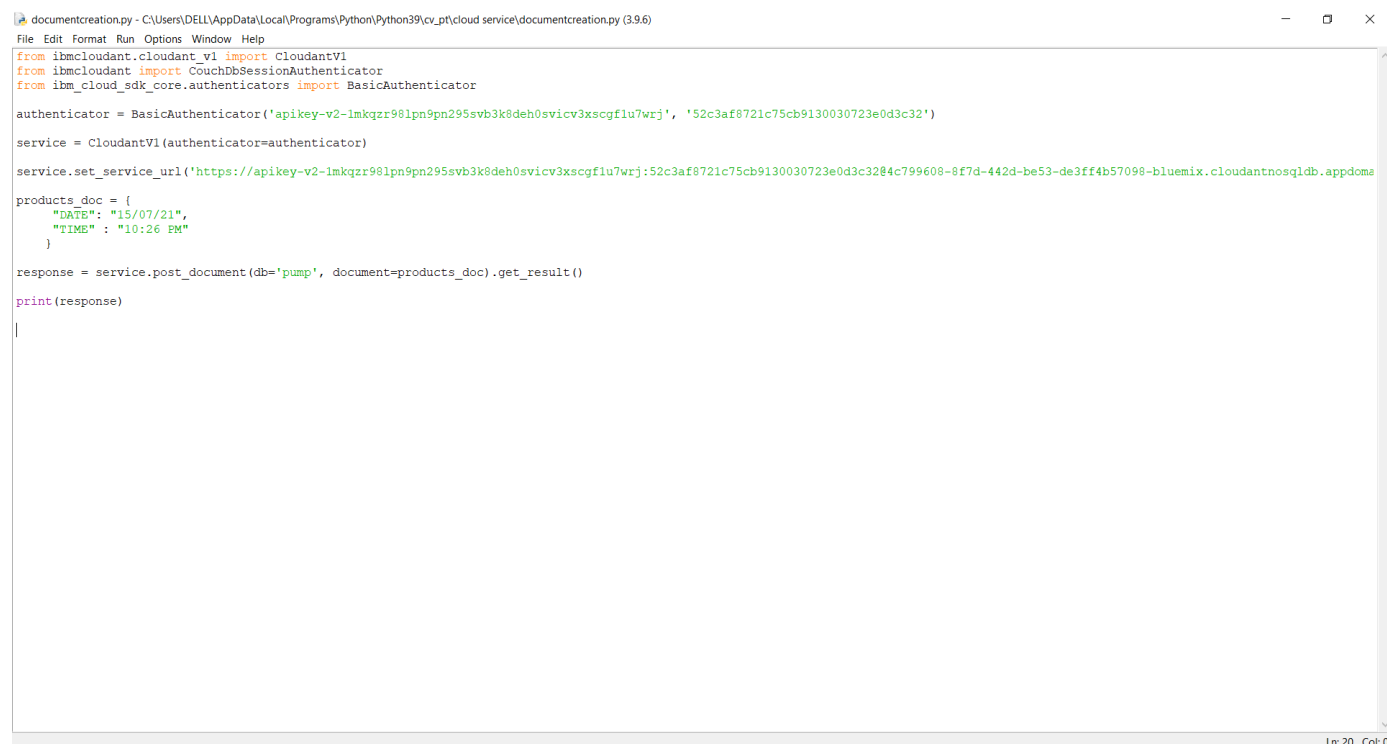PARAMATHMUNI V N S SAI SARAN

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Assignment-5:

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

Software: IBM

Code:



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

authenticator = BasicAuthenticator('apikey-v2-1mkqzr98lpn9pn295svb3k8deh0svicv3xscgf1u7wrj', '52c3af8721c75cb9130030723e0d3c32')

service = CloudantV1(authenticator=authenticator)

service.set_service_url('https://apikey-v2-1mkqzr98lpn9pn295svb3k8deh0svicv3xscgf1u7wrj:52c3af8721c75cb9130030723e0d3c32@4c799608-8f7d-442d-be53-de3ff4b57098-bluemix.cloudantnosqldb.appdoma

products_doc = {
    "DATE": "15/07/21",
    "TIME" : "10:26 PM"
    }

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

print(response)
```
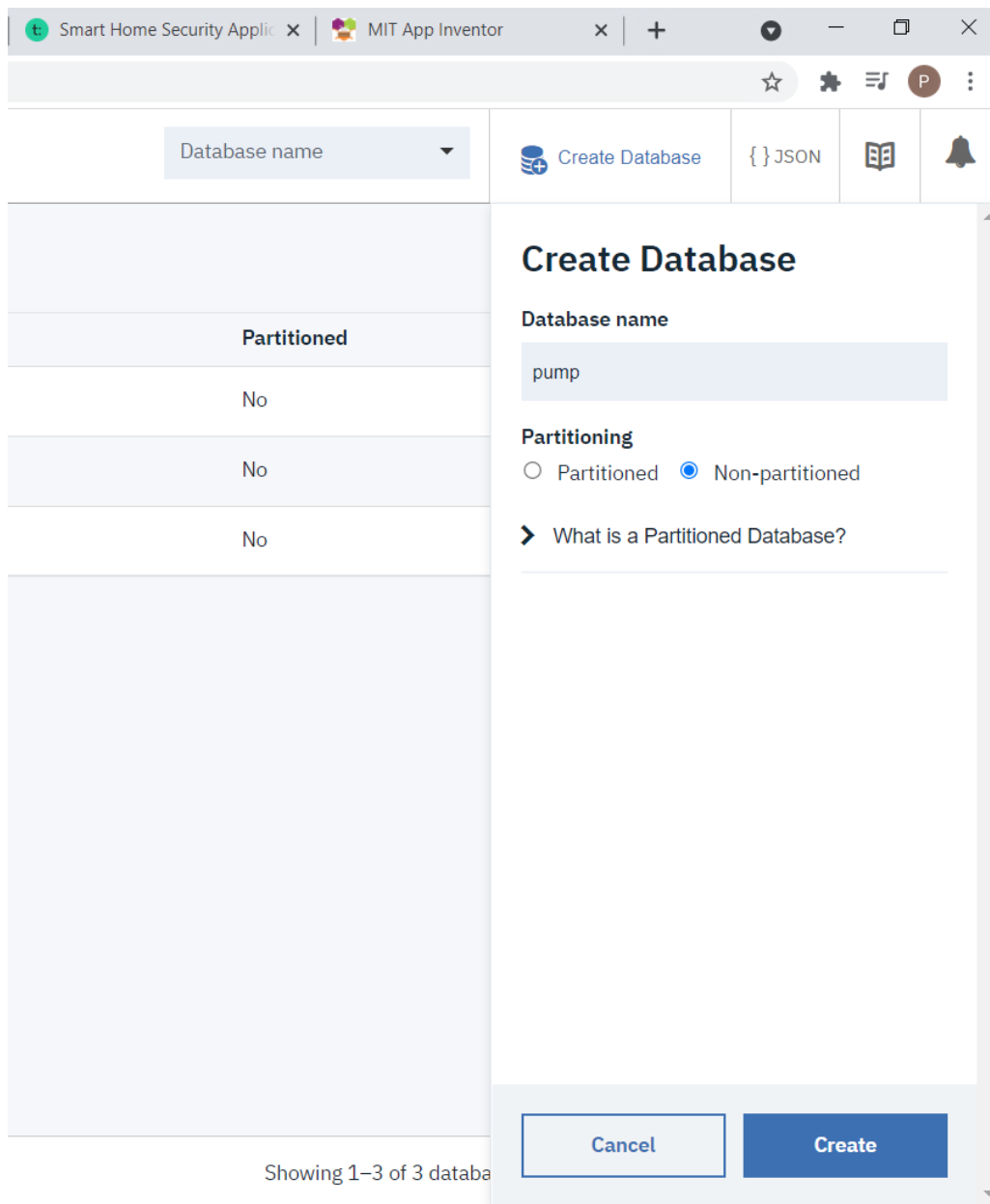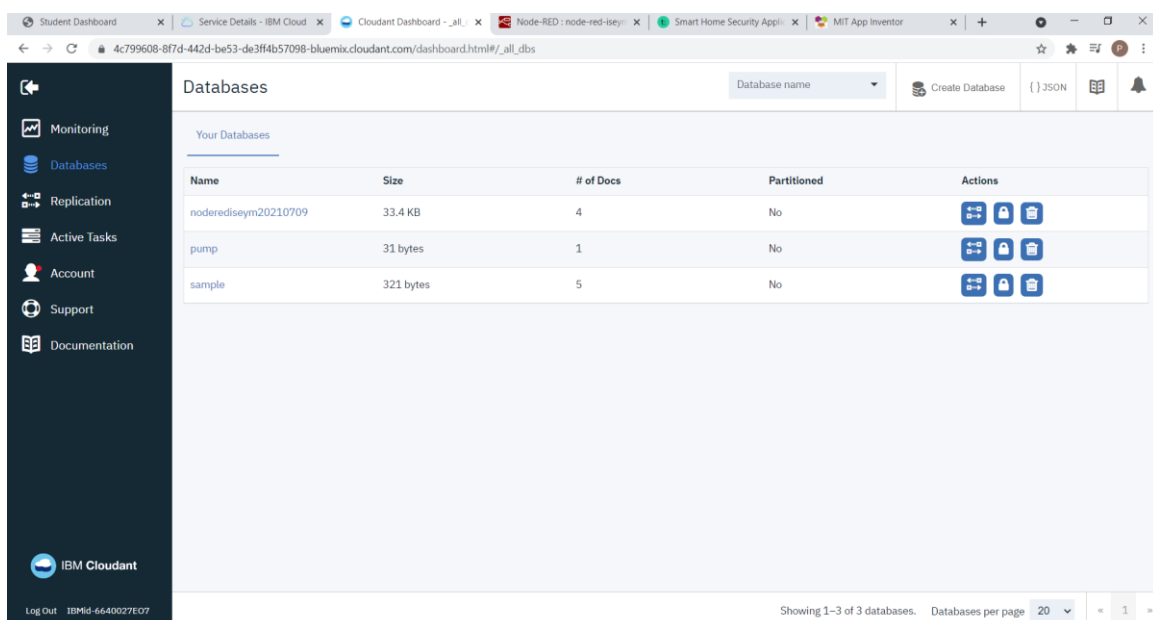
Here, BasicAuthenticators are username & password of Cloudant DB

We need to store the time and date in the cloudant DB

CREATION OF DB:

Create Database

Database name

pump

Partitioning

○ Partitioned    ● Non-partitioned

> What is a Partitioned Database?

Cancel    Create

Partitioned

No

No

No

Showing 1–3 of 3 databa

Database name

Create Database    { } JSON

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



Databases

Your Databases

| Name | Size | # of Docs | Partitioned | Actions |
| --- | --- | --- | --- | --- |
| noderediseym20210709 | 33.4 KB | 4 | No | |
| pump | 31 bytes | 1 | No | |
| sample | 321 bytes | 5 | No | |

Monitoring
Databases
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Documentation

IBM Cloudant

Log Out   IBMid-6640027EO7

Showing 1–3 of 3 databases.   Databases per page  20 ▾   «  1  »

Save Changes    Cancel

Upload Attachment    Clone Document    Delete

```json
{
    "_id": "559b592f4a878b3eaf8baa7e03036724",
    "_rev": "1-4078d5eb3c045027f46592b48c12c563",
    "DATE": "15/07/21",
    "TIME": "10:26 PM"
}
```