

Create Database

Date	03 Nov 2022
Team ID	PNT2022TMID45200
Project Name	Virtual Eye - Life Guard For Swimming Pools To Detect Active Drowning
Maximum Marks	4Marks

- In order to manage a connection from a local system you must first initialize the connection by constructing a Cloudant client. We need to import the cloudant library.

```
from cloudant.client import cloudant
```

- IBM Cloud Identity & Access Management enables you to securely authenticate users and control access to all cloud resources consistently in the IBM Bluemix Cloud Platform.

```
client=cloudnt.iam('username','apikey',connect=True)
```

In the above cloudant.iam() method we have to give username & apikey to build the connection with cloudant DB.

The screenshot shows the IBM Cloud console interface. The left sidebar has a 'Manage' section with 'Service credentials' selected. The main area is titled 'Service credentials' and contains a table of credentials. One credential is listed with the key name 'VEERASEKARAN.M' and a creation date of '2022-10-28 12:22 PM'. Below the table, the JSON details of the credential are displayed, including fields like 'apikey', 'host', 'iam_apikey_description', 'iam_apikey_name', 'iam_role_crn', 'iam_serviceid_crn', 'url', and 'username'.

- Once a connection is established you can then create a database, open an existing database.

- Create a database as my_database

```
my_database=client.create_database(my_database')
```

Same procedure followed by my team members

Team ID : PNT2022TMID45200

Team Leader : VEERASEKARAN.M

Team Member1: SRIDHAR.J

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