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| **Topic** | Volt Active Data |
| **Document Name** | VOLTDB-EX-03 |
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| **Document Difficulty Level** | | | |
| **Beginner** | **Junior** | **Senior** | **Expert** |
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# Document History

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| --- | --- | --- | --- |
| Date | Author | Ver | Comments |
| 05.03.2025 | Mennan Tekbir | 1.0 | Initial Draft |
| 05.03.2025 | Mehmet Erdem Önal | 1.1 | Revisions |

# Volt Active Data

## Exercise VOLTDB -EX-03:

**Definiton:** Connect VoltDB instance that you have created in the *VOLTDB -EX-03* exercise from [DBeaver](https://dbeaver.io/download/" \t "_blank). In order to connect VoltDB from DBeaver, you should create a new database driver ( Database → Driver Manager menu ) and download VoltDB client jar from maven [repo](https://mvnrepository.com/artifact/org.voltdb/voltdbclient). Create sample table and insert some rows as shown below. Please also connect VoltDB [UI](http://localhost:55004/#s) from 55004 port ( you can inspect port mappings via docker ps command. )

**Note:** If you did not get a cloud machine previously, you may simply run it on your local machine.

**Sample Table Creation, and Row Insertion:**

create table mth3902 (

id bigint not null,

start\_date\_epoch bigint,

create\_user varchar(32),

constraint mth3902\_pk primary key(id)

);

partition table mth3902 on column id;

--- dr table mth3902;

insert into mth3902 ( id, start\_date\_epoch, create\_user ) values ( 1, 1698295044, 'MENNAN');

insert into mth3902 ( id, start\_date\_epoch, create\_user ) values ( 2, 1698295088, 'ERKUT');

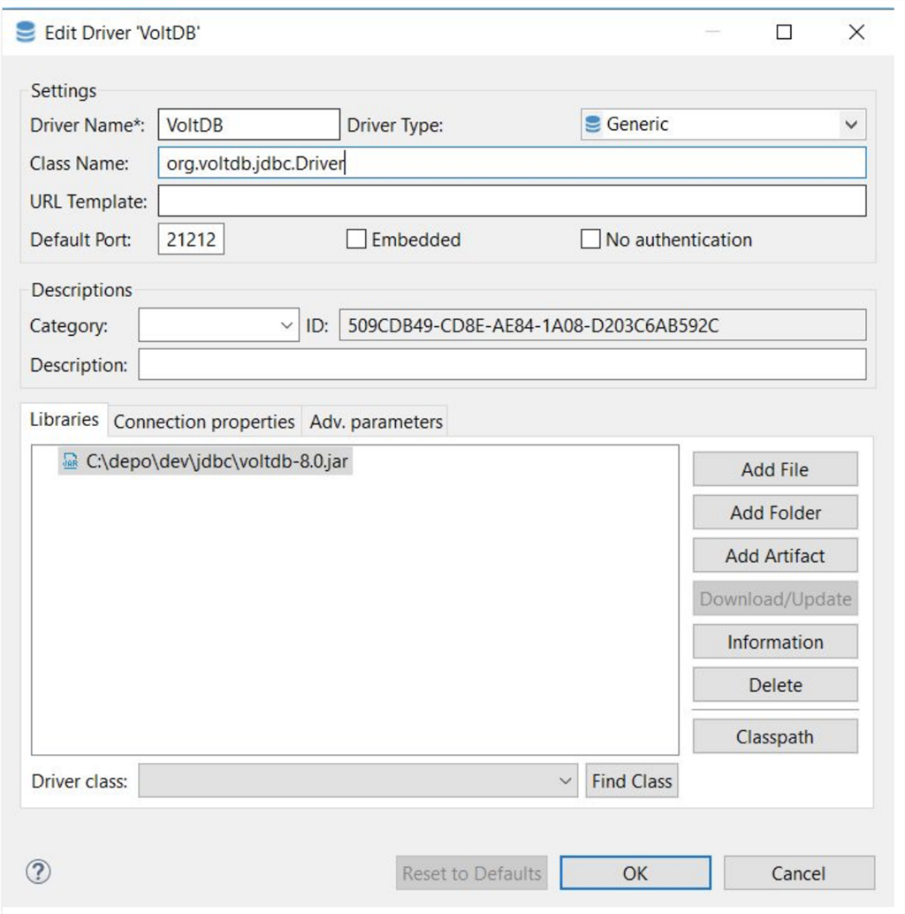
select \* from mth3902 limit 1;

**Connecting to VoltDB**

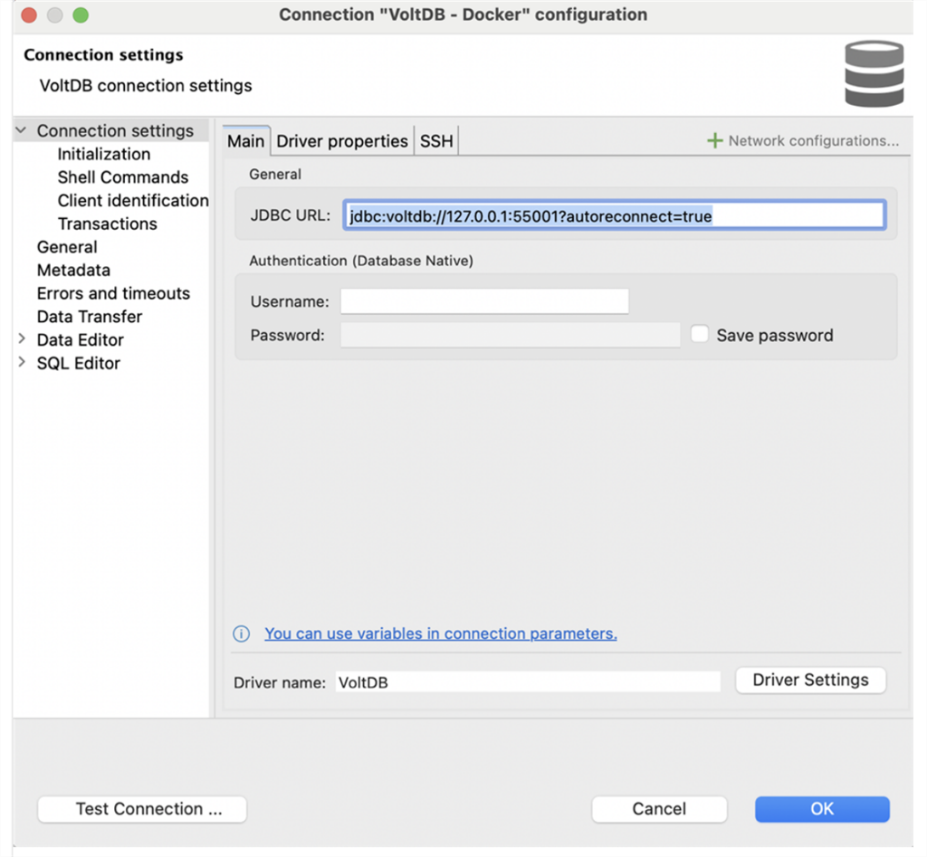
sqlcmd --servers=localhost --port=21212

**Hint:** [Voltdb Quick Start](https://www.youtube.com/watch?v=1EkWP6Gu3VY)

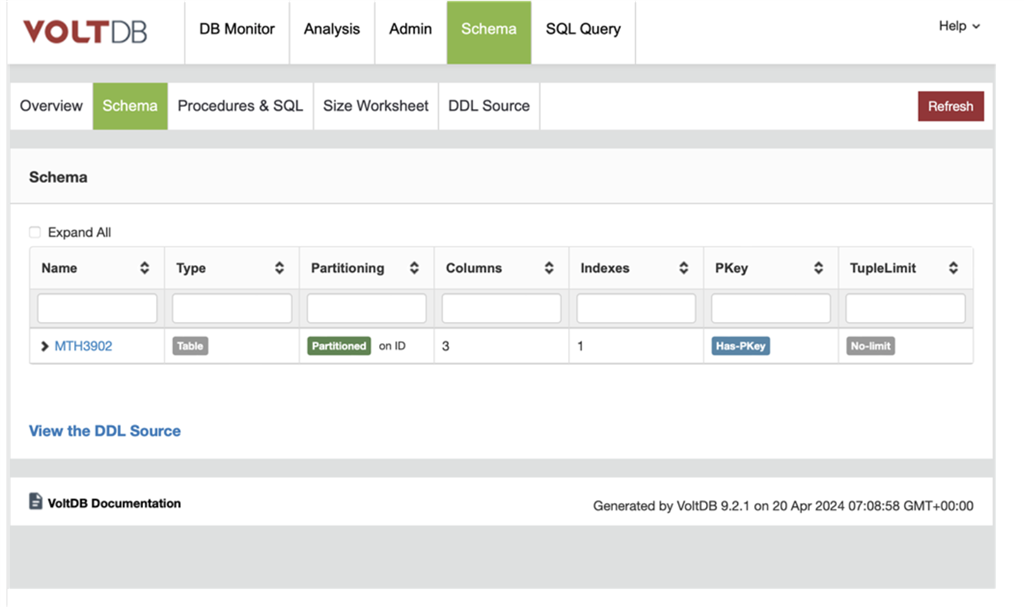
**DBeaver Driver Setup**



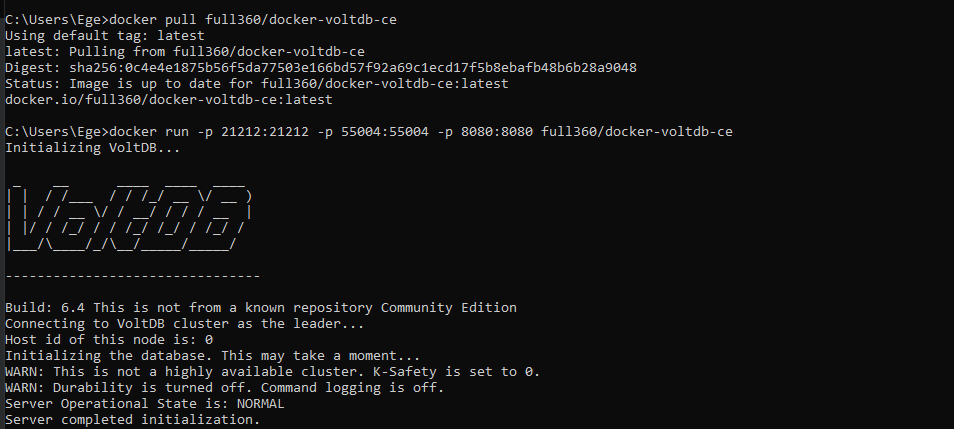
**DBeaver Connection Details**

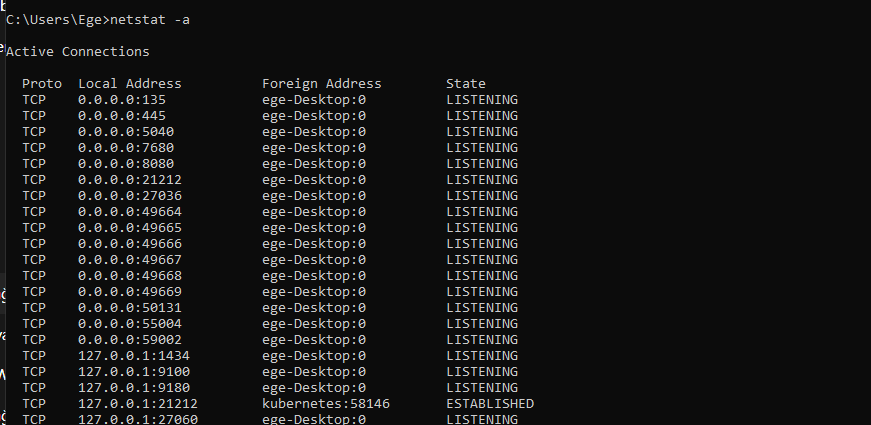


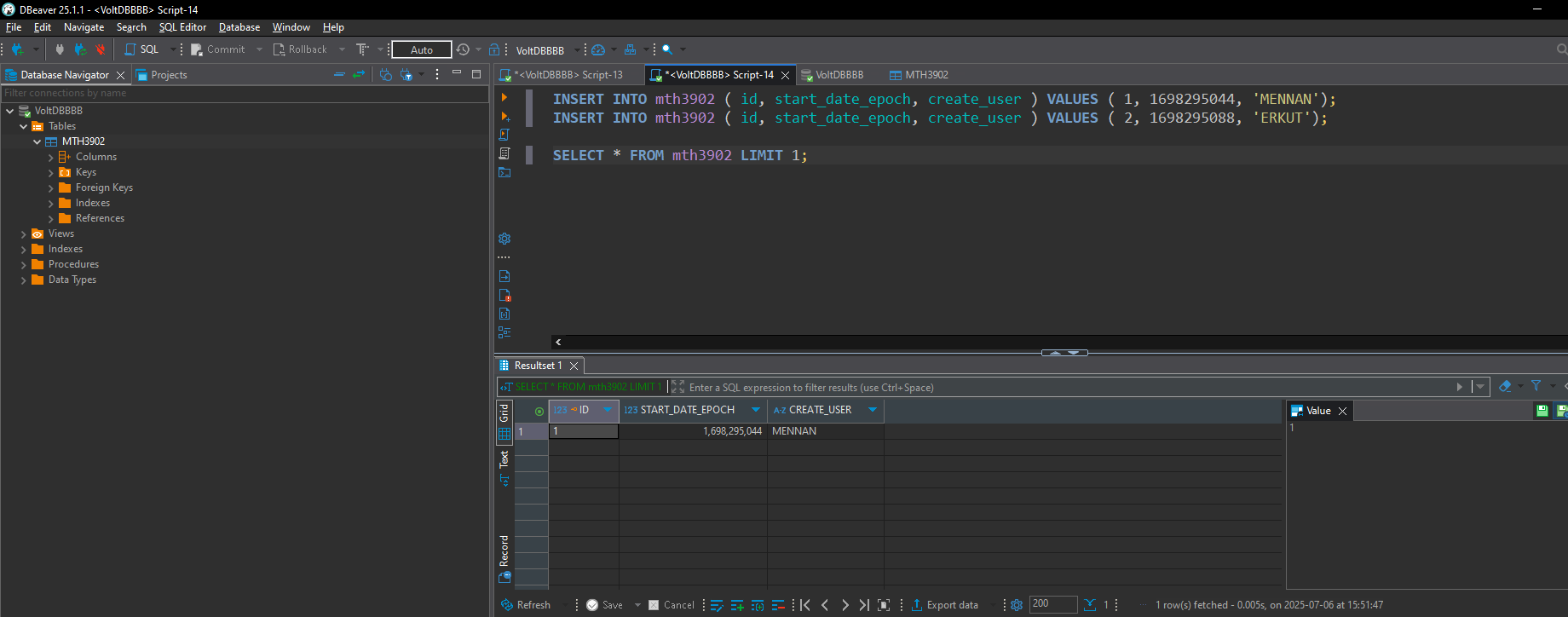
**VoltDB Management Center**

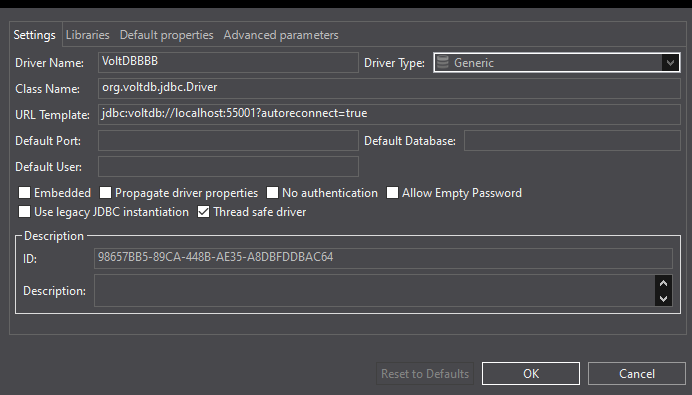


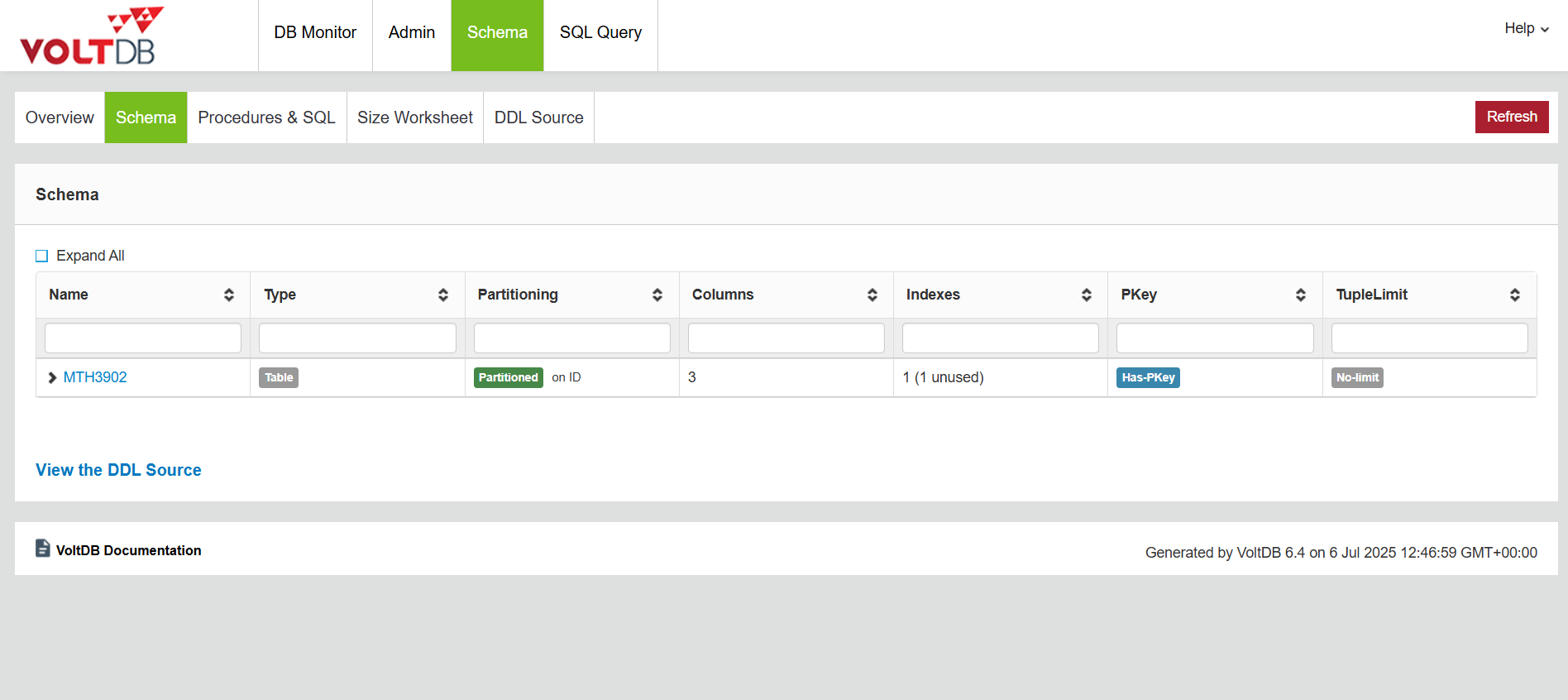
Please provide screenshots to show your work.

[](https://private-user-images.githubusercontent.com/209494583/462916301-2c9a977e-4c0d-49d6-af99-585649f1537a.png?jwt=eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJnaXRodWIuY29tIiwiYXVkIjoicmF3LmdpdGh1YnVzZXJjb250ZW50LmNvbSIsImtleSI6ImtleTUiLCJleHAiOjE3NTE4MDc2MTgsIm5iZiI6MTc1MTgwNzMxOCwicGF0aCI6Ii8yMDk0OTQ1ODMvNDYyOTE2MzAxLTJjOWE5NzdlLTRjMGQtNDlkNi1hZjk5LTU4NTY0OWYxNTM3YS5wbmc_WC1BbXotQWxnb3JpdGhtPUFXUzQtSE1BQy1TSEEyNTYmWC1BbXotQ3JlZGVudGlhbD1BS0lBVkNPRFlMU0E1M1BRSzRaQSUyRjIwMjUwNzA2JTJGdXMtZWFzdC0xJTJGczMlMkZhd3M0X3JlcXVlc3QmWC1BbXotRGF0ZT0yMDI1MDcwNlQxMzA4MzhaJlgtQW16LUV4cGlyZXM9MzAwJlgtQW16LVNpZ25hdHVyZT1mOTU4ZmNjOThiMjY0NDkxNWZkNWQxNmE2MGU3NGIxNjY4ZmRmYmVlMjdiMWI0OTE0YjFjNmViYTBhNWNiMjI3JlgtQW16LVNpZ25lZEhlYWRlcnM9aG9zdCJ9.kNqiUX7m0G-7lHUHctJPfysjnmTZ_aDaay_axlBuVUc)

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[](https://private-user-images.githubusercontent.com/209494583/462916331-9329f322-6ac9-408a-81b2-e78ee3933fe2.png?jwt=eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJnaXRodWIuY29tIiwiYXVkIjoicmF3LmdpdGh1YnVzZXJjb250ZW50LmNvbSIsImtleSI6ImtleTUiLCJleHAiOjE3NTE4MDc2MTgsIm5iZiI6MTc1MTgwNzMxOCwicGF0aCI6Ii8yMDk0OTQ1ODMvNDYyOTE2MzMxLTkzMjlmMzIyLTZhYzktNDA4YS04MWIyLWU3OGVlMzkzM2ZlMi5wbmc_WC1BbXotQWxnb3JpdGhtPUFXUzQtSE1BQy1TSEEyNTYmWC1BbXotQ3JlZGVudGlhbD1BS0lBVkNPRFlMU0E1M1BRSzRaQSUyRjIwMjUwNzA2JTJGdXMtZWFzdC0xJTJGczMlMkZhd3M0X3JlcXVlc3QmWC1BbXotRGF0ZT0yMDI1MDcwNlQxMzA4MzhaJlgtQW16LUV4cGlyZXM9MzAwJlgtQW16LVNpZ25hdHVyZT05OTYwZGVkODIwNDk1ZjhlNjdiZGRjYmIyODhlZjlmZmZmYzg2MTg5MmVmZWJjZDYyNzQ0ZjRkMGNjYWVjNTk5JlgtQW16LVNpZ25lZEhlYWRlcnM9aG9zdCJ9.xTrQlK7a3inUsmd4pW0ZgRHPqQjwVC4ydp72OM5Tg80)

[](https://private-user-images.githubusercontent.com/209494583/462916340-b7cf6fc5-9fae-4258-a0f0-866d2e23e520.png?jwt=eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJnaXRodWIuY29tIiwiYXVkIjoicmF3LmdpdGh1YnVzZXJjb250ZW50LmNvbSIsImtleSI6ImtleTUiLCJleHAiOjE3NTE4MDc2MTgsIm5iZiI6MTc1MTgwNzMxOCwicGF0aCI6Ii8yMDk0OTQ1ODMvNDYyOTE2MzQwLWI3Y2Y2ZmM1LTlmYWUtNDI1OC1hMGYwLTg2NmQyZTIzZTUyMC5wbmc_WC1BbXotQWxnb3JpdGhtPUFXUzQtSE1BQy1TSEEyNTYmWC1BbXotQ3JlZGVudGlhbD1BS0lBVkNPRFlMU0E1M1BRSzRaQSUyRjIwMjUwNzA2JTJGdXMtZWFzdC0xJTJGczMlMkZhd3M0X3JlcXVlc3QmWC1BbXotRGF0ZT0yMDI1MDcwNlQxMzA4MzhaJlgtQW16LUV4cGlyZXM9MzAwJlgtQW16LVNpZ25hdHVyZT00OTVkY2Y5ZDNiZWMwNzNmZTBjOWY4MGEzNDdkODA4YTk1NjEwYTg5MDVlMTQzYzUyMDQ4MDdlYjgxNjkyYjAwJlgtQW16LVNpZ25lZEhlYWRlcnM9aG9zdCJ9.ZrS97C1dqaY0z5rftL68ht-3jircYsOV4y0M8l_nLqA)

[](https://private-user-images.githubusercontent.com/209494583/462916347-37937e64-8773-43ea-927c-3079d5ddf836.png?jwt=eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpc3MiOiJnaXRodWIuY29tIiwiYXVkIjoicmF3LmdpdGh1YnVzZXJjb250ZW50LmNvbSIsImtleSI6ImtleTUiLCJleHAiOjE3NTE4MDc2MTgsIm5iZiI6MTc1MTgwNzMxOCwicGF0aCI6Ii8yMDk0OTQ1ODMvNDYyOTE2MzQ3LTM3OTM3ZTY0LTg3NzMtNDNlYS05MjdjLTMwNzlkNWRkZjgzNi5wbmc_WC1BbXotQWxnb3JpdGhtPUFXUzQtSE1BQy1TSEEyNTYmWC1BbXotQ3JlZGVudGlhbD1BS0lBVkNPRFlMU0E1M1BRSzRaQSUyRjIwMjUwNzA2JTJGdXMtZWFzdC0xJTJGczMlMkZhd3M0X3JlcXVlc3QmWC1BbXotRGF0ZT0yMDI1MDcwNlQxMzA4MzhaJlgtQW16LUV4cGlyZXM9MzAwJlgtQW16LVNpZ25hdHVyZT01M2U3YTljOTllMDI3M2YzNzg2OWJjNTMzZTdlODBiOTAyZmZlYTQ3MjIwODgwODQ2YTU4ZWVjZjcxNTZlMGY3JlgtQW16LVNpZ25lZEhlYWRlcnM9aG9zdCJ9.ankzI_7dmvzFPxFLgRJKjt12Fe1sjSCk6VgX16dcrSk)

## VOLTDB-EX-03 Solution:

**Your Answer:**

You may provide screenshots here to show your work…