19BCE245 BDA

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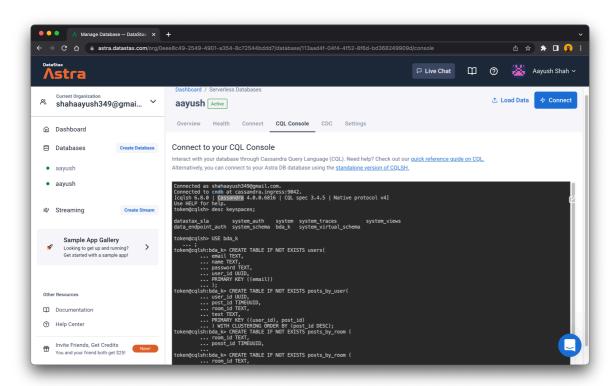
Big Data Analytics Practical 9

Aim

CRUD operations in Cassandra

Setting up

Interface of astra.datastax.com



Created tables: users, posts_by_user, posts_by_room Specified data types for each fields.

PRACTICAL 9

19BCE245 BDA

Insert data in users table:

```
token@cqlsh:bda_k> INSERT INTO users (email, name, password, user_id) VALUES ( 'niyati@shah.com', 'Niyati Shah', 'ipad', 1111111-1111-
1111-1111-222222222222);
token@cqlsh:bda_k> INSERT INTO users (email, name, password, user_id) VALUES ( 'kamini@shah.com', 'Kamini Shah', 'samsung', 11111111-
11-1111-3333-222222222222);
token@cqlsh:bda_k> []
```

Insert data in *posts_by_user* table :

Insert data in *posts_by_room* table :

View data in *posts_by_room* table with different filters :

Update data in posts_by_room table :

• Table before the update and after the update :

PRACTICAL 9

19BCE245 BDA

Delete data in posts_by_room table :

• State of table after deletion operation is given:

Conclusion

From this practical, I performed various CRUD database operations in *Cassandra Query Language (CQL)*. I used Cassandra online https://astra.datastax.com/ and used it's CQL console. Moreover, I came to know that CQL treats the database (**Keyspace**) as a container of tables. Programmers use **cqlsh** a prompt to work with CQL.

PRACTICAL 9