## 1BM19CS097 NEEHAL

## I AB-4

Perform the following DB operations using Cassandra:

1 Create a key space by name Library

```
cqlsh> CREATE KEYSPACE LIBRARY WITH replication = {'class':'SimpleStrategy','replication_factor':3};
cqlsh> Use LIBRARY;
cqlsh:library>
```

2. Create a column family by name Library-Info with attributes Stud\_Id Primary Key, Counter\_value of type Counter,Stud\_Name, Book-Name, Book-Id, Date\_of\_issue.

colsh:library> create table library\_inf@stud\_id int, counter\_value Counter, stud\_mame text, book\_mame text, date\_of\_issue timestamp, book\_id int, PRIMANY REMistud\_id,stud\_mame,book\_mame,date\_of\_issue,book\_id)|;

```
cqlsh:library> select * from library.library_info;
stud_id | stud_name | book_name | date_of_issue | book_id | counter_value

(0 rows)
```

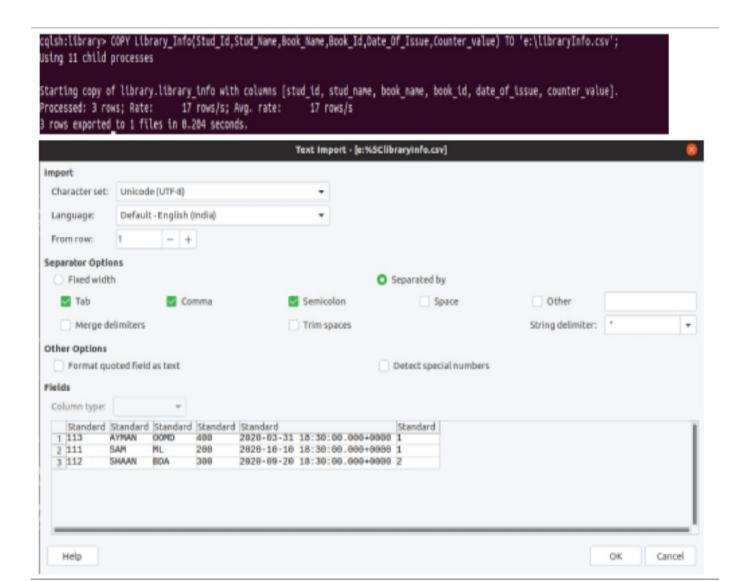
3. Insert the values into the table in batch

4. Display the details of the table created and increase the value of the counter

```
colsh: library- UPCATE library info SET counter_value = counter_value + 1 MARRE stud_id = 112 and stud_name = "SHARN" and book_name = "80A" and date_of_issue = "2020-89-21" and book_id = 300;
```

5. Write a query to show that a student with id 112 has taken a book "BDA" 2 times.

6. Export the created column to a csv file



7. Import a given csv dataset from local file system into Cassandra column family

```
collabillarry: create table library_infol[stud_id int, counter_value Counter, stud_name text,book_name best, date_of_issue timestamp, book_id int, MIRAGE REP[stud_id,stud_name,book_name,date_of_issue, book_id)]
```

```
cqlsh:library> SELECT * FROM library_info2;
stud_td | stud_name | book_name | date_of_issue | book_id | counter_value

(0 rows)
```

