# LAB RECORD

# 1BM19CS194

# Anitej Prasad

# 6-D

# LAB5

cqlsh:library> CREATE KEYSPACE library WITH replication = {'class': 'SimpleStrategy','replication_factor':1};

cqlsh:library> USE library ;

cqlsh:library> CREATE TABLE Library_info(stud_id int, stud_name text, book_name text, book_id text, date_of_issue timestamp, counter_value counter, PRIMARY KEY(stud_id,stud_name, book_name, book_id, date_of_issue));

cqlsh:library> BEGIN COUNTER BATCH

     ... UPDATE library_info set counter_value +=1 where stud_id = 111 and stud_name = 'Manoj' and book_name = 'Operations Research' and book_id = '56TXT' and date_of_issue = '2021-09-12';

     ... UPDATE library_info set counter_value +=1 where stud_id = 112 and stud_name = 'Kamal' and book_name = 'Engineering Mathematics-3' and book_id = '5ERW4' and date_of_issue = '2021-04-10';

     ... UPDATE library_info set counter_value +=1 where stud_id = 113 and stud_name = 'Mahesh' and book_name = 'Robinson Crusoe' and book_id = '34EDC' and date_of_issue = '2021-02-01';

     ... UPDATE library_info set counter_value +=1 where stud_id = 114 and stud_name = 'Raj' and book_name = 'Engineering Drawing' and book_id = '123ER' and date_of_issue = '2021-04-03';

     ... APPLY BATCH;

cqlsh:library> SELECT * FROM library_info ;

```
 stud_id | stud_name | book_name              | book_id | date_of_issue
 | counter_value

---------+-----------+------------------------+---------+-------------------------------+--------
-------

    114 |     Raj |     Engineering Drawing |  123ER | 2021-04-02
18:30:00.000000+0000 |          1

    111 |    Manoj |    Operations Research |  56TXT | 2021-09-11
18:30:00.000000+0000 |          1

    113 |   Mahesh |        Robinson Crusoe |  34EDC | 2021-01-31
18:30:00.000000+0000 |          1

    112 |    Kamal | Engineering Mathematics-3 |  5ERW4 | 2021-04-09
18:30:00.000000+0000 |          1


(4 rows)
```

cqlsh:library> UPDATE library_info set counter_value += 1 where stud_id = 112 and stud_name = 'Kamal' and book_name = 'Engineering Mathematics-3' and book_id = '5ERW4' and date_of_issue = '2021-04-09';

cqlsh:library> SELECT * FROM library_info ;

```
 stud_id | stud_name | book_name              | book_id | date_of_issue
 | counter_value

---------+-----------+------------------------+---------+-------------------------------+--------
-------

    114 |     Raj |     Engineering Drawing |  123ER | 2021-04-02
18:30:00.000000+0000 |          1

    111 |    Manoj |    Operations Research |  56TXT | 2021-09-11
18:30:00.000000+0000 |          1
```

113 |    Mahesh |        Robinson Crusoe |   34EDC | 2021-01-31
18:30:00.000000+0000 |          1

     112 |     Kamal | Engineering Mathematics-3 |   5ERW4 | 2021-04-09
18:30:00.000000+0000 |          2


cqlsh:library> copy library_info(stud_id,stud_name, book_name, book_id, date_of_issue,counter_value) to 'library_info.csv' ;

Using 11 child processes


Starting copy of library.library_info with columns [stud_id, stud_name, book_name, book_id, date_of_issue, counter_value].

Processed: 6 rows; Rate:     39 rows/s; Avg. rate:     39 rows/s

6 rows exported to 1 files in 0.165 seconds.


cqlsh:library> copy library_info(stud_id,stud_name, book_name, book_id, date_of_issue,counter_value) from 'library_info.csv' ;

Using 11 child processes


Starting copy of library.library_info with columns [stud_id, stud_name, book_name, book_id, date_of_issue, counter_value].

Processed: 6 rows; Rate:     10 rows/s; Avg. rate:     15 rows/s

6 rows imported from 1 files in 0.392 seconds (0 skipped).