

Lab Program-3

1. Create a keyspace by name Library

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

```
cqlsh:library> CREATE TABLE library_info (stud_id int, counter_value counter, stud_name text, book_name text, book_id int, date_of_issue date, primary key(stud_id, stud_name, book_name, book_id, date_of_issue));
```

3. Insert the values into the table in batch

```
cqlsh:library> update library_info set counter_value = counter_value + 1 where stud_id=1 and stud_name='Swathi' and book_name='CN' and book_id=123 and date_of_issue='2020-07-21';
```

```
cqlsh:library> update library_info set counter_value = counter_value + 1 where stud_id=2 and stud_name='Triveni' and book_name='AI' and book_id=342 and date_of_issue='2020-08-19';
```

```
cqlsh:library> update library_info set counter_value = counter_value + 1 where stud_id=3 and stud_name='Anupama' and book_name='COA' and book_id=842 and date_of_issue='2020-08-23';
```

```
cqlsh:library> select * from library_info;
```

stud_id	stud_name	book_name	book_id	date_of_issue	counter_value
1	Swathi	CN	123	2020-07-21	1
2	Triveni	AI	342	2020-08-19	1
3	Anupama	COA	842	2020-08-23	1

(3 rows)

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

```
cqlsh:library> update library_info set counter_value = counter_value + 1 where stud_id=2 and stud_name='Triveni' and book_name='AI' and book_id=342 and date_of_issue='2020-08-19';
cqlsh:library> select * from library_info;
```

stud_id	stud_name	book_name	book_id	date_of_issue	counter_value
1	Swathi	CN	123	2020-07-21	1
2	Triveni	AI	342	2020-08-19	2
3	Anupama	COA	842	2020-08-23	1

(3 rows)

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