

LIBRARY

Create Keyspace LIBRARY

```
cqlsh> CREATE KEYSPACE Library WITH replication = {'class': 'SimpleStrategy', 'replication_factor': 3};
cqlsh> use Library;
```

Create ColumnFamily Library_Info

```
cqlsh:library> CREATE COLUMNFAMILY Library_Info(Stud_ID UUID, Counter_Value COUNTER, Stud_Name VARCHAR, Book_Name
VARCHAR, Book_ID INT, DOI VARCHAR, PRIMARY KEY(Stud_ID, Stud_Name, Book_Name, Book_ID, DOI));
```

Insert Values

```
cqlsh:library> UPDATE Library_Info SET Counter_Value=Counter_Value+1 WHERE Stud_ID= uuid() AND Stud_Name='Rocky'
AND Book_Name='Data Structures' AND Book_ID=2 AND DOI='07/11/2020';
cqlsh:library> UPDATE Library_Info SET Counter_Value=Counter_Value+1 WHERE Stud_ID= uuid() AND Stud_Name='Adonis'
AND Book_Name='Irritating Algorithms' AND Book_ID=3 AND DOI='04/10/2020';
cqlsh:library> SELECT * FROM Library_Info;
```

stud_id	stud_name	book_name	book_id	doi	counter_value
65e83965-020f-47df-84b2-fe8f8f0f2ad8	Rocky	Data Structures	2	07/11/2020	1
8a966af1-9b49-46cd-9223-1e7bc6a57b09	Adonis	Irritating Algorithms	3	04/10/2020	1

(2 rows)

Increase Counter Value

```
cqlsh:library> UPDATE Library_Info SET Counter_Value=Counter_Value+1 WHERE Stud_ID=65e83965-020f-47df-84b2-fe8f8f
0f2ad8 AND Stud_Name='Rocky' AND Book_Name='Data Structures' AND Book_ID=2 AND DOI='07/11/2020';
cqlsh:library> UPDATE Library_Info SET Counter_Value=Counter_Value+1 WHERE Stud_ID=8a966af1-9b49-46cd-9223-1e7bc6
a57b09 AND Stud_Name='Adonis' AND Book_Name='Irritating Algorithms' AND Book_ID=3 AND DOI='04/10/2020';
cqlsh:library> UPDATE Library_Info SET Counter_Value=Counter_Value+1 WHERE Stud_ID=8a966af1-9b49-46cd-9223-1e7bc6
a57b09 AND Stud_Name='Adonis' AND Book_Name='Irritating Algorithms' AND Book_ID=3 AND DOI='04/10/2020';
cqlsh:library> SELECT * FROM Library_Info;
```

stud_id	stud_name	book_name	book_id	doi	counter_value
65e83965-020f-47df-84b2-fe8f8f0f2ad8	Rocky	Data Structures	2	07/11/2020	2
8a966af1-9b49-46cd-9223-1e7bc6a57b09	Adonis	Irritating Algorithms	3	04/10/2020	3

(2 rows)

Select Counter_Value=2

```
cqlsh:library> SELECT * FROM Library_Info WHERE Counter_Value=2 ALLOW FILTERING;
```

stud_id	stud_name	book_name	book_id	doi	counter_value
65e83965-020f-47df-84b2-fe8f8f0f2ad8	Rocky	Data Structures	2	07/11/2020	2

(1 rows)

Export

```
cqlsh:library> COPY Library_Info(Stud_ID, Counter_Value, Stud_Name, Book_Name, Book_ID, DOI) TO '/home/pablo/res.csv'
WITH HEADER=TRUE;
Using 11 child processes

Starting copy of library.library_info with columns [stud_id, counter_value, stud_name, book_name, book_id, doi].
Processed: 2 rows; Rate: 6 rows/s; Avg. rate: 6 rows/s
2 rows exported to 1 files in 0.469 seconds.
```

Import

```
cqlsh:library> COPY Library_Info(Stud_ID, Counter_Value, Stud_Name, Book_Name, Book_ID, DOI) FROM '/home/pablo/res.csv'
WITH HEADER=TRUE;
Using 11 child processes

Starting copy of library.library_info with columns [stud_id, counter_value, stud_name, book_name, book_id, doi].
Processed: 2 rows; Rate: 3 rows/s; Avg. rate: 4 rows/s
2 rows imported from 1 files in 0.479 seconds (0 skipped).
```