Create a key space by name Library

```
cqlsh> create keyspace Library WITH REPLICATION = {'class' : 'SimpleStrategy','replication_factor' :
1};
cqlsh> use Library;
```

Create a column family by name Library-Info with attributes Stud_Id Primary Key, Counter_value of type Counter,

```
cqlsh:library> create table Library_info(Stud_id int,Counter_value counter,Stud_Name varchar,Book_nam
e varchar,Book_id int,Date_of_issue date,primary key(Stud_id,Stud_name,Book_name,Book_id,Date_of_issu
e));
```

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_n
ame = 'naman' AND Book_name='abc' AND Book_id = 123 AND Date_of_issue = '2022-05-04';
```

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

```
cqlsh:library> update library_info set Counter_value = Counter_value + 1 where Stud_id = 1 AND Stud_n
ame = 'naman' AND Book_name='abc' AND Book_id = 123 AND Date_of_issue = '2022-05-04';
cqlsh:library> select * from Library_info;

 stud_id | stud_name | book_name | book_id | date_of_issue | counter_value
---------+-----------+-----------+---------+---------------+---------------
       1 |     naman |       abc |     123 |    2022-05-04 |             2

(1 rows)
```

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

```
cqlsh:library> select counter_value as borrow_count from library_info where stud_id=1 AND book_id=123
;

 borrow_count
--------------
            2
```

xport the created column to a csv file

```
cqlsh:library> COPY library.library_info (Stud_id,Book_id,Counter_value,Stud_name,Book_name,Date_of_i
ssue) TO '/home/bmsce/CASSANDRA-NAMAN/data.csv' WITH HEADER = TRUE;
Using 11 child processes

Starting copy of library.library_info with columns [stud_id, book_id, counter_value, stud_name, book_
name, date_of_issue].
Processed: 1 rows; Rate:       6 rows/s; Avg. rate:       6 rows/s
1 rows exported to 1 files in 0.176 seconds.
```

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

```
cqlsh:library> COPY library.library_info (Stud_id,Book_id,Counter_value,Stud_name,Book_name,Date_of_i
ssue) FROM '/home/bmsce/CASSANDRA-NAMAN/data.csv' WITH HEADER = TRUE;
Using 11 child processes

Starting copy of library.library_info with columns [stud_id, book_id, counter_value, stud_name, book_
name, date_of_issue].
Processed: 1 rows; Rate:       2 rows/s; Avg. rate:       3 rows/s
1 rows imported from 1 files in 0.379 seconds (0 skipped).
```