

1 Create a key space by name Library

```
cqlsh> create keyspace lab2_library with replication={'class':'SimpleStrategy','replication_factor':3};
cqlsh> use lab2_library;
cqlsh:lab2_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:lab2_library> create table library_info(stud_id int,counter_value counter,stud_name text,book_id int,date_of_issue timestamp,primary key(stud_id,stud_name,book_id,date_of_issue));
cqlsh:lab2_library> A
```

3. Insert the values into the table in batch

```
cqlsh:lab2_library> update library_info set counter_value=counter_value + 2 where stud_id=2 and stud_name='Pankaj' and book_id=145 and date_of_issue='2022-08-04';
cqlsh:lab2_library> select * from library_info;
```

stud_id	stud_name	book_id	date_of_issue	counter_value
2	Pankaj	145	2022-08-03 18:30:00.000000+0000	4

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

```
cqlsh:lab2_library> update library_info set counter_value=counter_value + 2 where stud_id=2 and stud_name='Pankaj' and book_id=145 and date_of_issue='2022-08-04';
cqlsh:lab2_library> select * from library_info;
```

stud_id	stud_name	book_id	date_of_issue	counter_value
2	Pankaj	145	2022-08-03 18:30:00.000000+0000	2

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

```
cqlsh:lab2_library> update library_info set counter_value=counter_value + 2 where stud_id=112 and stud_name='Preetham' and book_id=145 and date_of_issue='2022-08-04';
cqlsh:lab2_library> select counter_value from library_info where stud_id=112;
```

counter_value
2

6. Export the created column to a csv file

```
qlsh:lab2_library> copy library_info(stud_id,stud_name,book_id,date_of_issue,counter_value)to 'lib.csv';
Using 7 child processes

Starting copy of lab2_library.library_info with columns [stud_id, stud_name, book_id, date_of_issue, counter_value].
Processed: 2 rows; Rate: 9 rows/s; Avg. rate: 9 rows/s
2 rows exported to 1 files in 0.250 seconds.
```

7. Import a given csv dataset from local file system into Cassandra column family LAB 3 I. CREATE

```
qlsh:lab2_library> create table library_info2(stud_id int,counter_value counter,stud_name text,book_id int,
date_of_issue timestamp,primary key(stud_id,stud_name,book_id,date_of_issue));
qlsh:lab2_library> copy library_info2(stud_id,stud_name,book_id,date_of_issue,counter_value)from 'lib.csv'
Using 7 child processes

Starting copy of lab2_library.library_info2 with columns [stud_id, stud_name, book_id, date_of_issue, counter_value].
Processed: 2 rows; Rate: 4 rows/s; Avg. rate: 6 rows/s
2 rows imported from 1 files in 0.356 seconds (0 skipped).
qlsh:lab2_library> select * from library_info;
```

stud_id	stud_name	book_id	date_of_issue	counter_value
2	Pankaj	145	2022-08-03 18:30:00.000000+0000	4
112	Preetham	145	2022-08-03 18:30:00.000000+0000	2

```
2 rows)
qlsh:lab2_library> select * from library_info2;
```

stud_id	stud_name	book_id	date_of_issue	counter_value
2	Pankaj	145	2022-08-03 18:30:00.000000+0000	4
112	Preetham	145	2022-08-03 18:30:00.000000+0000	2

```
qlsh:lab2_library>
```