LAB-03
Cassandra

```
cqlsh> CREATE KEYSPACE Library WITH REPLICATION = { 'class' : 'SimpleStrategy', 'replication_factor' : 1 };
cqlsh> CREATE TABLE Library.Library_Info (
   ...     Stud_Id int,
   ...     Book_Name TEXT,
   ...     Book_Id int,
   ...     Date_of_issue DATE,
   ...     PRIMARY KEY (Stud_Id, Book_Name, Date_of_issue)
   ... );
cqlsh> BEGIN BATCH
   ... INSERT INTO Library.Library_Info (Stud_Id, Book_Name, Book_Id, Date_of_issue) VALUES (112, 'BDA', 1, '2023-09-01');
   ... INSERT INTO Library.Library_Info (Stud_Id, Book_Name, Book_Id, Date_of_issue) VALUES (112, 'BDA', 1, '2023-09-05');
   ... INSERT INTO Library.Library_Info (Stud_Id, Book_Name, Book_Id, Date_of_issue) VALUES (113, 'ML', 2, '2023-09-02');
   ... INSERT INTO Library.Library_Info (Stud_Id, Book_Name, Book_Id, Date_of_issue) VALUES (114, 'AI', 3, '2023-09-03');
   ... INSERT INTO Library.Library_Info (Stud_Id, Book_Name, Book_Id, Date_of_issue) VALUES (115, 'DBMS', 4, '2023-09-04');
   ... APPLY BATCH;
cqlsh> SELECT * FROM Library.Library_Info;

 stud_id | book_name | date_of_issue | book_id
---------+-----------+---------------+---------
     114 |        AI |    2023-09-03 |       3
     113 |        ML |    2023-09-02 |       2
     112 |       BDA |    2023-09-01 |       1
     112 |       BDA |    2023-09-05 |       1
     115 |      DBMS |    2023-09-04 |       4

(5 rows)
cqlsh> SELECT COUNT(*) FROM Library.Library_Info WHERE Stud_Id = 112 AND Book_Name = 'BDA';

 count
-------
     2

(1 rows)
```

```
cqlsh> COPY Library.Library_Info TO 'library_info.csv' WITH HEADER = TRUE;
Using 16 child processes

Starting copy of library.library_info with columns [stud_id, book_name, date_of_issue, book_id].
Processed: 5 rows; Rate:      96 rows/s; Avg. rate:      96 rows/s
5 rows exported to 1 files in 0.089 seconds.
cqlsh> COPY Library.Library_Info FROM 'library_info.csv' WITH HEADER = TRUE;
Using 16 child processes

Starting copy of library.library_info with columns [stud_id, book_name, date_of_issue, book_id].
Processed: 5 rows; Rate:       9 rows/s; Avg. rate:      13 rows/s
5 rows imported from 1 files in 0.375 seconds (0 skipped).
cqlsh>
```