

AB-4.

(8/4/25)

1. Create Keyspace:

create keyspace Library with replication = 3 'data', 'simplestrategy',
replication-factor: 13;

2. Use Library:

use Library;

3. Create tables:

create table Library-Info (Stud-Id int, Stud-Name text, Book-Name text,
Date-of-Issue date, PrimaryKey (Stud-Id, Book-Id));

create table Book-counter (Stud-Id int, Book-Name text, Counter-value
counter, PrimaryKey (Stud-Id, Book-Name));

4. Insert values:

begin batch

... insert into Library-Info (Stud-Id, Stud-Name, Book-Name, Book-Id,
Date-of-Issue) values (112, 'Alice', 'bda', 'b101', '2025-04-07');

... insert into Library-Info (Stud-Id, Stud-Name, Book-Name, Book-Id,
Date-of-Issue) values (113, 'Bob', 'eda', 'b102', '2025-04-07');

apply batch;

select * from Library-Info;

5. Update Counter

update Book-counter set counter-value = counter + 1 where
Stud-Id = 112, and Book-name = 'bda';

— " —
update Book-counter set counter-value = counter-value + 1 where
Stud-Id = 113 and Book-name = 'eda';

— " —

6. Exporting to CSV:

→ cqlsh -e "copy Library-Info to 'library-info.csv' with header
= TRUE ;"

7. Importing from CSV:

→ cqlsh -e "copy Library-Info from 'newfile.csv'
with header = TRUE ;"