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II) Perform following operations.

1) Create a keyspace by name Library

```
CREATE KEYSPACE Library WITH REPLICATION = {'class':
'SimpleStrategy', 'replication_factor': 1};
```

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.

```
CREATE TABLE Library_Info (Stud_Id int Primary key,
Counter_value counter, Stud_Name text, Book_Name text,
Book_Id int, Date_of_issue timestamp);
```

3) Insert the values into the table in batch

```
BEGIN BATCH
UPDATE Library_Info SET Counter_value+1 WHERE Stud_Id=121
and Stud_Name='Riya', and Book_Name='DBA', and Book_id=200
and Date_of_issue='2019-10-05';
UPDATE Library_Info SET Counter_value+1 WHERE Stud_Id=122
and Stud_Name='Krish', and Book_Name='DSR' and
Book_id=205 and Date_of_issue='2019-11-20';
APPLY BATCH.
```

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

```
UPDATE Library_Info SET Counter_value=Counter_value+1
WHERE Stud_Id=121 and Stud_Name='Riya' AND Book_Name=
'BDA' and Book_Id=200 and Date_of_issue='2019-10-10';
```

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

```
SELECT Book-name, Counter-value. FROM Library-Info
  WHERE Stud-Id=112;
```

6) Export the created column to csv file.

```
COPY Library Info (Stud-Id, Counter_value, Stud-Name,
  Book-Name, Book-Id, Date-g- Issue) TO '.\LibraryInfo.csv';
```

7) Import a given csv dataset from local file system into cassandra column family.

```
COPY Library-Info (Stud-Id, Counter_value, Stud-Name,
  Book-Name, Book-Id, Date-g- Issue) FROM '.\LibraryInfo.csv';
SELECT * FROM Library-Info;
```