II. Perform the following DB operations using Cassandra.

1. Create a keyspace by name Library

```
Connected to Test Cluster at 127.0.0.1:9042.

[cqlsh 5.0.1 | Cassandra 3.11.8 | CQL spec 3.4.4 | Native protocol v4]

Use HELP for help.

WARNING: pyreadline dependency missing. Install to enable tab completion.

cqlsh> CREATE KEYSPACE LIBRARY WITH replication = {'class':'SimpleStrategy','replication_factor':3};

cqlsh> use 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
- 3. Insert the values into the table in batch
- Display the details of the table created and increase the value of the counter

```
CREATE COLUMNFAMILY libraryinfo(stud_id uuid, counter_value counter,
book_id INT, DOI VARCHAR, PRIMARY KEY(stud_id,stud_name,book_name,book_id,doi));
cqlsh:library> UPDATE libraryinfo set counter_value=counter_value+1 where stud_id=cdd43759-bc64-4119-91bf-3e9ec59ca966
nd stud_name='Anjali' and book_name='malgudi' and book_id=1 and doi='1/2/2020';
cqlsh:library> UPDATE libraryinfo set counter_value=counter_value+1 where stud_id=uuid() and stud_name='Ayush' and book
name='Hardy boys' and book_id=1 and doi='1/2/2020';
cqlsh:library> UPDATE libraryinfo set counter_value=counter_value+1 where stud_id=uuid() and stud_name='meghna' and book
_name='BDA' and book_id=1 and doi='1/2/2020';
qlsh:library> select * from libraryinfo;
                                           | stud_name | book_name | book_id | doi
stud_id
                                                                                                | counter_value
cad37759-ed02-450c-80ef-922233c9bd9a
                                                  Ayush |
                                                          Hardy boys
                                                                                      1/2/2020
cdd43759-bc64-4119-91bf-3e9ec59ca966
                                                 Anjali
                                                              malgudi
                                                                                      1/2/2020
84e49a4c-94be-4178-8205-c69e379c87d1
                                                 meghna
                                                                   RDA
                                                                                      1/2/2020
(3 rows)
```

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

5. Export the created column to a csv file

```
cqlsh:library> CAPTURE 'C:\Users\sumuk\OneDrive\Desktop\BDA-SUMUKH\user.csv';
Now capturing query output to 'C:\\Users\\sumuk\\OneDrive\\Desktop\\BDA-SUMUKH\\user.csv'.
```