Lab 3

Perform the following DB operations using Cassandra.

- a)Create a keyspace by name Library
- b) 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
- c) Insert the values into the table in batch
- d) Display the details of the table created and increase the value of the counter
- e) Write a query to show that a student with id 112 has taken a book "BDA" 2 times.
- f) Export the created column to a csv file
- g) Import a given csv dataset from local file system into Cassandra column family

```
cqlsh:employee= CREATE KEYSPACE Library WITH REPLICATION={'class':'SimpleStrategy', 'replication_factor':1};
cqlsh:employee= USE Library;
cqlsh:library> DESCRIBE KEYSPACEs;

system_wirtual_schema system_auth system system_distributed system_traces
system_schema system_views library employee

cqlsh:library> CREATE TABLE liblafo{

studid INT PRIMARY KEY;

syntamizacytoin: library= Create TABLE liblafo{

studid INT PRIMARY KEY;

studiane TEXT,

bookane TEXT,

bookane TEXT,

dateofissue DATE

studid INT,

cqlsh:library> CREATE TABLE bookcounter(

studid INT,

calsed INT,

counterval COUNTER,

PRIMARY KEY(studid), bookname)

system_studid INT,

clsh:library> CREATE TABLE bookcounter(

studid INT,

counterval COUNTER,

PRIMARY KEY(Studid), bookname, bookname, bookid, dateofissue)

system_studid INT,

library CREATE TABLE bookcounter(

studid INT,

counterval COUNTER,

primary= CREATE TABLE bookcounter(

studid INT,

library= CREATE TABLE bookcounter(

studid INT,

counterval COUNTER,

primary= CREATE TABLE bookcounter(

studid INT,

library= CREATE TABLE bookcounter(

studid INT PRIMARY KEY[s])

studid INT PRIMARY KEY[s])

cqlsh:library= CREATE TABLE bookcounter(

studid INT PRIMARY KEY[s])

studid INT PRIMARY KEY[s]

studid INT PRIMARY KEY[s]

studid INT PRIMARY KEY[s]

studid INT PRIMARY KEY[studid Studins studin
```

IMPORT:

COPY libinfo TO 'libinfo.csv' WITH HEADER=TRUE;

EXPORT:

COPY libinfo(studid, studname, bookname, bookid, dateofissue) FROM 'libinfo.csv' WITH HEADER=TRUE;