EXPERIMENT:4

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

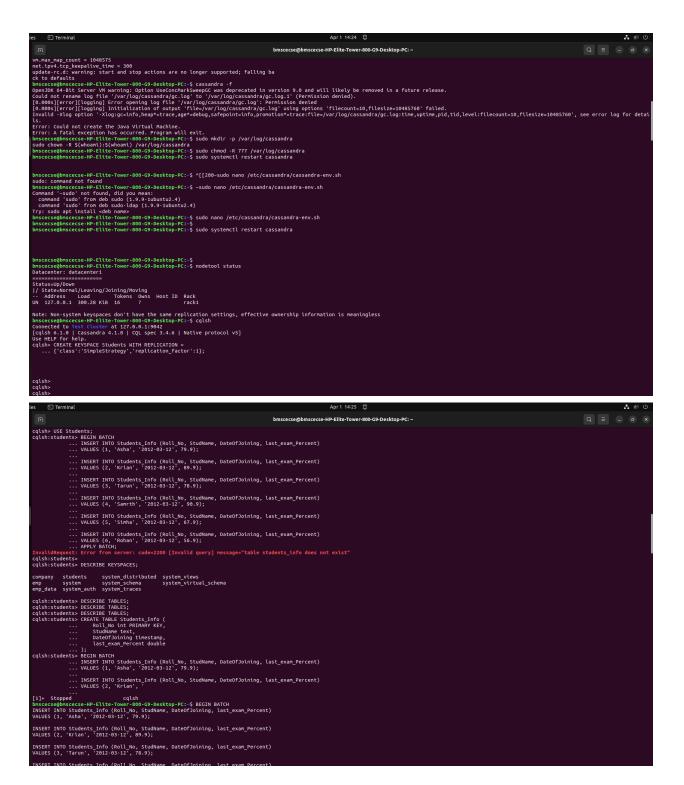
Stud Id Primary Key,

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



```
se@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC: ~
                          BECIN BATCH
INSERT INTO Students_Info (Roll_No, StudName, DateOfJoining, last_exam_Percent)
VALUES (1, 'Asha', '2012-03-12', 79.9);
                          INSERT INTO Students_Info (Roll_No, StudName, DateOfJoining, last_exam_Percent)
VALUES (2, 'Krian', '2012-03-12', 89.9);
                          INSERT INTO Students_Info (Roll_No, StudName, DateOfJoining, last_exam_Percent)
VALUES (3, 'Tarun', '2012-03-12, 78.9);
                          INSERT INTO Students_Info (Roll_No, StudName, DateOfJoining, last_exam_Percent) VALUES (4, 'Samrth', '2012-03-12', 90.9);
                          INSERT INTO Students_Info (Roll_No, StudName, DateOfJoining, last_exam_Percent)
VALUES (5, 'Simha', '2012-03-12', 67.9);
... INSERT INTO Students_Info (Boll_No, StudWame, DateOfJoining, last_exam_Percent)
... VALUES (6, 'Rohan', 'Z012-03-12', 56.9);
... APPLY BATCH;
cqlshrstudents> SELECT*RFOM students_info;
(6 rows)
cqlsh:students> SELECT*FROM student_info WHERE roll_no IN(1,2,3);
InvalidRequest: Error from server: code=2200 [Invalid query] nessage="table student_info does not exist" cplsh:students> SELECT*FROM student info MHERE roll no IN(1,2,3); InvalidRequest: Error from server: code=2200 [Invalid query] nessage="table student_info does not exist" cplsh:students> SELECT*FROM students_info MHERE roll_no IN(1,2,3); roll_no_idatesficial.
 oyntanexception: line 1747 no viable alternative at input ';' (SELECT*FROM students_info WHERE studname=["Ash]a";)
Cqish:students> SELECT * FROM students_info WHERE studname = 'Asha';
Invalidequest: Error from server: codes-270m [traulit]
query despite the performance unpredictability, use ALLOW FILTERING"
cqlsh:students> SELECT * FROM students_info WHERE studname = 'Asha' ALLOW FILTERING;
 roll_no | dateofjoining | last_exam_percent | studname

1 | 2012-03-11 18:30:00.000000+0000 | 79.9 | Asha
                                                                                                                                                                       Apr 1 14:27 🛱
                                                                                                                                                                                                                                                                                                                       Q = - m x
                                                                                                                                      bmscecse@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC: ~
(6 rows)

cqlsh:students> UPDATE roll_no as "USN" from students_info;

cqlsh:students> UPDATE roll_no as "USN" from students_info;
(& rows)
cqlsh:students> UPDATE students_info SET studname='David Sheen' WHERE usn=2;
cqlsh:students> select+from students_info;
(6 rows)
cqlsh:students> UPDATE students_info SET rollno=6 WHERE rollno=3;
InvalidRequest: Error from server: code-2200 [Invalid query] message="Undef-
colsh:students-colsh:students-UPDATE students_info SET usn=0 MHERE usn=3;
cqls
Bonsecces@bnsecce:= HP-Elite-Tower-800-09-09-besktop-Pc:-5 cqlsh
Connected to Test Cluster at 127.0.0.1:9942
[cqlsh 6.1.0 | Cassandra 4.1.8 | CQL spec 3.4.6 | Native protocol v5]
Use HELP for help-
cylsh- use Students
```

