## LABORATORY PROGRAM - 3

# Perform the following DB operations using Cassandra

## **Questions:**

- 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

#### **OBSERVATION**

### COMMAND WITH OUTPUT

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```
cqlsh> CREATE KEYSPACE Students WITH REPLICATION =
    ... {'class': 'SimpleStrategy', 'replication_factor': '1'};
cqlsh>
cqlsh> USE Students;
cqlsh:students> DESCRIBE KEYSPACES;
                                   s library products system system_traces
pro productss system_auth system_views
prod productsss system_distributed system_virtual_schema
productname students system_schema
    ompanies library
company pro
employe prod
 employee
... );
cqlsh:students> SELECT * FROM system.schema_keyspaces;
cqlsh:students> SELECT * FROM system.schema_keyspaces does not exist"
 calsh:students>
    qlsh:students> SELECT * FROM system_schema.keyspaces;
                                                                                                                            True | ('class': 'org.apache.cassandra.locator.SimpleStrategy', 'replication_factor': '1')
True | ('class': 'org.apache.cassandra.locator.SimpleStrategy', 'replication_factor': '3')
True | ('class': 'org.apache.cassandra.locator.SimpleStrategy', 'replication_factor': '1')
True | ('class': 'org.apache.cassandra.locator.SimpleStrategy', 'replication_factor': '1')
True | ('class': 'org.apache.cassandra.locator.SimpleStrategy', 'replication_factor': '1')
True | ('class': 'org.apache.cassandra.locator.SimpleStrategy', 'replication_factor': '2')
True | ('class': 'org.apache.cassandra.locator.SimpleStrategy', 'replication_factor': '1')
                       companies |
system_auth |
system_schema |
library |
   products |
system_distributed |
                                  productsss
                                                             рго
                                          students
                              employee |
productname
                                      employe
productss
cqlsh:students> DESCRIBE TABLES;
students info
```

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