**LIBRARY**

1.Create a keyspace by name Library.

create keyspace library with replication = { 'class' :

'SimpleStrategy','replication\_factor':1};

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.

create table library\_info( id int, counter\_val counter, stud\_name text, book\_name text, book\_id int, issue\_date timestamp,primary key(id,stud\_name,book\_name,book\_id,issue\_date));

3. Insert the values into the table in batch.

update library\_info SET counter\_val = counter\_val +1 where id = 1 and stud\_name ='suma' and book\_name = 'CNS' and book\_id = 121 and issue\_date='2020-12-31';

update library\_info SET counter\_val = counter\_val +1 where id = 3 and stud\_name = 'Aruna' and book\_name = 'ML' and book\_id = 112 and issue\_date='2021-02-01';

update library\_info SET counter\_val = counter\_val +1 where id = 5 and stud\_name = 'Chiru' and book\_name = 'Python' and book\_id = 114 and issue\_date='2009-08-27';

select \* from library\_info;

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

update library\_info SET counter\_val = counter\_val +1 where id = 3 and stud\_name = 'Aruna' and book\_name = 'ML' and book\_id = 112 and issue\_date='2021-02-01';

4. Write a query to show that a student with id 112 has taken a book “ML” 2 times.

select \* from library\_info where counter\_val = 2 allow filtering;

5. Export the created column to a csv file

copy library\_info(id,counter\_val,stud\_name,book\_name,book\_id,issue\_date) to 'Desktop/library\_data.csv';

6. Import a given csv dataset from local file system into Cassandra column family

copy library\_info(id,counter\_val,stud\_name,book\_name,book\_id,issue\_date) from 'Desktop/library\_data.csv';