

```

cqlsh> CREATE KEYSPACE Library WITH REPLICATION = { 'class' : 'SimpleStrategy', 'replication_factor' : 1 };
cqlsh> CREATE TABLE Library.Library_Info (
...     Stud_Id int,
...     Book_Name TEXT,
...     Book_Id int,
...     Date_of_issue DATE,
...     PRIMARY KEY (Stud_Id, Book_Name, Date_of_issue)
... );
cqlsh> BEGIN BATCH
... INSERT INTO Library.Library_Info (Stud_Id, Book_Name, Book_Id, Date_of_issue) VALUES (112, 'BDA', 1, '2023-09-01');
... INSERT INTO Library.Library_Info (Stud_Id, Book_Name, Book_Id, Date_of_issue) VALUES (112, 'BDA', 1, '2023-09-05');
... INSERT INTO Library.Library_Info (Stud_Id, Book_Name, Book_Id, Date_of_issue) VALUES (113, 'ML', 2, '2023-09-02');
... INSERT INTO Library.Library_Info (Stud_Id, Book_Name, Book_Id, Date_of_issue) VALUES (114, 'AI', 3, '2023-09-03');
... INSERT INTO Library.Library_Info (Stud_Id, Book_Name, Book_Id, Date_of_issue) VALUES (115, 'DBMS', 4, '2023-09-04');
... APPLY BATCH;
cqlsh> SELECT * FROM Library.Library_Info;

```

| stud_id | book_name | date_of_issue | book_id |
|---------|-----------|---------------|---------|
| 114 | AI | 2023-09-03 | 3 |
| 113 | ML | 2023-09-02 | 2 |
| 112 | BDA | 2023-09-01 | 1 |
| 112 | BDA | 2023-09-05 | 1 |
| 115 | DBMS | 2023-09-04 | 4 |

(5 rows)

```

cqlsh> SELECT COUNT(*) FROM Library.Library_Info WHERE Stud_Id = 112 AND Book_Name = 'BDA';

```

| count |
|-------|
| 2 |

(1 rows)

```
cqlsh> COPY Library.Library_Info TO 'library_info.csv' WITH HEADER = TRUE;  
Using 16 child processes
```

```
Starting copy of library.library_info with columns [stud_id, book_name, date_of_issue, book_id]  
Processed: 5 rows; Rate:      96 rows/s; Avg. rate:      96 rows/s  
5 rows exported to 1 files in 0.089 seconds.
```

```
cqlsh> COPY Library.Library_Info FROM 'library_info.csv' WITH HEADER = TRUE;  
Using 16 child processes
```

```
Starting copy of library.library_info with columns [stud_id, book_name, date_of_issue, book_id]  
Processed: 5 rows; Rate:      9 rows/s; Avg. rate:      13 rows/s  
5 rows imported from 1 files in 0.375 seconds (0 skipped).
```

```
cqlsh> 
```

```
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ cd ./Desktop/  
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~/Desktop$ start-all.sh  
WARNING: Attempting to start all Apache Hadoop daemons as hadoop in 10 seconds.  
WARNING: This is not a recommended production deployment configuration.  
WARNING: Use CTRL-C to abort.  
Starting namenodes on [localhost]  
Starting datanodes  
Starting secondary namenodes [bmscecse-HP-Elite-Tower-800-G9-Desktop-PC]  
Starting resourcemanager  
Starting nodemanagers  
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~/Desktop$ hdfs dfs -mkdir /Lab05
```

```
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~/Desktop$ hadoop fs -ls /Hadoop
ls: `/Hadoop': No such file or directory
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~/Desktop$ hadoop fs -ls /Lab05
```



```
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~/Desktop$ touch test.txt
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~/Desktop$ nano text.txt
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~/Desktop$ hdfs dfs -put ./text.txt /Lab05/text.txt
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~/Desktop$ hadoop fs -ls /Lab05
Found 1 items
-rw-r--r--    1 hadoop supergroup          19 2024-05-13 14:33 /Lab05/text.txt
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~/Desktop$ hdfs dfs -cat /Lab05/text.txt
Hello
How are you?
```

```
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~/Desktop$ hadoop fs -ls /Lab05
Found 2 items
-rw-r--r-- 1 hadoop supergroup      15 2024-05-13 14:40 /Lab05/test.txt
-rw-r--r-- 1 hadoop supergroup      19 2024-05-13 14:33 /Lab05/text.txt
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~/Desktop$ hdfs dfs -getmerge /Lab05 /text.txt /Lab05 /test.txt ../Downloads/Merged.txt
getmerge: `/text.txt': No such file or directory
getmerge: `/test.txt': No such file or directory
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~/Desktop$ hdfs dfs -getmerge /Lab05/text.txt /Lab05/test.txt ../Downloads/Merged.txt
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~/Desktop$ hadoop fs -getfacl /Lab05
# file: /Lab05
# owner: hadoop
# group: supergroup
user::rwx
group::r-x
other::r-x
```

```
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~/Desktop$ hdfs dfs -ls /test_Lab05
Found 2 items
-rw-r--r--    1 hadoop supergroup          15 2024-05-13 14:40 /test_Lab05/test.txt
-rw-r--r--    1 hadoop supergroup          19 2024-05-13 14:33 /test_Lab05/text.txt
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~/Desktop$ hdfs dfs -cp /test_Lab05/ /Lab05
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~/Desktop$ hdfs dfs -ls /Lab05
Found 2 items
-rw-r--r--    1 hadoop supergroup          15 2024-05-13 14:51 /Lab05/test.txt
-rw-r--r--    1 hadoop supergroup          19 2024-05-13 14:51 /Lab05/text.txt
hadoop@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~/Desktop$ hdfs dfs -ls /test_Lab05
Found 2 items
-rw-r--r--    1 hadoop supergroup          15 2024-05-13 14:40 /test_Lab05/test.txt
-rw-r--r--    1 hadoop supergroup          19 2024-05-13 14:33 /test_Lab05/text.txt
```