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cqlsh> CREATE KEYSPACE Library WITH replication={'class':'SimpleStrategy','replication_factor':3};
cqlsh> USE Library;
cqlsh:library> CREATE COLUMNFAMILY Library_Info(Stud_ID INT,Counter_Value COUNTER,Stud_Name VARCHAR,Book_Name VARCHAR, Book_ID INT,DOI VARCHAR, PRIMARY KEY(Stud_ID,Stud_Name,Book_Name,Book_ID,DOI));
cqlsh:library> UPDATE Library_Info SET Counter_Value=Counter_Value+1 WHERE Stud_ID=111 AND Stud_Name='Ram' and Book_Name='ABC' AND BOOK_ID=100 AND DOI='08/08/2020';
cqlsh:library> UPDATE Library_Info SET Counter_Value=Counter_Value+1 WHERE Stud_ID=112 AND Stud_Name='Laxman' and Book_Name='DEF' AND BOOK_ID=200 AND DOI='09/09/2020';
cqlsh:library> SELECT * FROM Library_Info;

stud_id | stud_name | book_name | book_id | doi | counter_value
-----+-----+-----+-----+-----+-----
111 | Ram | ABC | 100 | 08/08/2020 | 1
112 | Laxman | DEF | 200 | 09/09/2020 | 1

(2 rows)
cqlsh:library> UPDATE Library_Info SET Counter_Value=Counter_Value+1 WHERE Stud_ID=112 AND Stud_Name='Laxman' and Book_Name='DEF' AND BOOK_ID=200 AND DOI='09/09/2020';
cqlsh:library> SELECT * FROM Library_Info;

stud_id | stud_name | book_name | book_id | doi | counter_value
-----+-----+-----+-----+-----+-----
111 | Ram | ABC | 100 | 08/08/2020 | 1
112 | Laxman | DEF | 200 | 09/09/2020 | 2

(2 rows)
cqlsh:library> SELECT * FROM Library_Info WHERE Counter_Value=2;
InvalidRequest: Error from server: code=2200 [Invalid query] message="Cannot execute this query as it might involve data filtering and thus may have unpredictable performance. If you want to execute this query despite the performance unpredictability, use ALLOW FILTERING"
cqlsh:library> SELECT * FROM Library_Info WHERE Counter_Value=2 ALLOW FILTERING;

stud_id | stud_name | book_name | book_id | doi | counter_value
-----+-----+-----+-----+-----+-----
112 | Laxman | DEF | 200 | 09/09/2020 | 2

(1 rows)
cqlsh:library> COPY Library_Info(Stud_ID,Counter_Value,Stud_Name,Book_Name,BOOK_ID,DOI) TO 'C:\Users\Jijo Marhews\Documents\6 BMSCE\0 Lab\BDA Lab\Q5\Q5.csv' WITH HEADER=TRUE;
Using 3 child processes

Starting copy of library.library_info with columns [stud_id, counter_value, stud_name, book_name, book_id, doi].
Processed: 2 rows; Rate: 2 rows/s; Avg. rate: 1 rows/s
2 rows exported to 1 files in 2.314 seconds.

cqlsh:library> COPY Library_Info(Stud_ID, Counter_Value, Stud_Name, Book_Name, Book_ID, DOI) FROM 'C:\Users\Jijo Marhews\Documents\6 BMSCE\0 Lab\BDA Lab\Q5\Q5.csv' WITH HEADER=TRUE;
Using 3 child processes

Starting copy of library.library_info with columns [stud_id, counter_value, stud_name, book_name, book_id, doi].
Process ImportProcess-2: 2 rows/s; Avg. rate: 2 rows/s

Processed: 2 rows; Rate: 1 rows/s; Avg. rate: 1 rows/s
2 rows imported from 1 files in 1.528 seconds (0 skipped).

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