# Library Database

```
cqlsh:library> create table library_info( studid int, counter_value counter, studname text, bookname text, bookid int, dateissue timestamp, primary key(studid, studname, bookname, bookid, dateissue))
h clustering order by (studname asc);
cqlsh:library> begin batch
            ... insert into library_info(studid, studname, bookname, bookid, dateissue) values (1, 'Medha', 'elements of ai', 123, '2022-06-16')
            ... insert into library_info(studid, studname, bookname, bookid, dateissue) values (2, 'Medha', 'elements of ml', 456, '2022-06-15')
            ... apply batch;
InvalidRequest: Error from server: code=2200 [Invalid query] message="INSERT statements are not allowed on counter tables, use UPDATE instead"
cqlsh:library> update library_info set counter_value = counter_value + 1
            ... where
            ... studid = 1 and studname = 'Medha' and bookname='elements of ai' and bookid=123 and dateissue='2022-10-24';
cqlsh:library> select * from library_info;

 studid | studname | bookname       | bookid | dateissue                       | counter_value
--------+----------+----------------+--------+---------------------------------+---------------
      1 |    Medha | elements of ai |    123 | 2022-10-23 18:30:00.000000+0000 |             1

(1 rows)
cqlsh:library> update library_info set counter_value = counter_value + 1 where studid = 1 and studname = 'Medha' and bookname='elements of ml' and bookid=456 and dateissue='2022-10-24';
cqlsh:library> select * from library_info;

 studid | studname | bookname       | bookid | dateissue                       | counter_value
--------+----------+----------------+--------+---------------------------------+---------------
      1 |    Medha | elements of ai |    123 | 2022-10-23 18:30:00.000000+0000 |             1
      1 |    Medha | elements of ml |    456 | 2022-10-23 18:30:00.000000+0000 |             1

(2 rows)
cqlsh:library> update library_info set counter_value = counter_value + 1 where studid = 112 and studname = 'Medha' and bookname='bda' and bookid=789 and dateissue='2022-10-24';
cqlsh:library> update library_info set counter_value = counter_value + 1 where studid = 112 and studname = 'Medha' and bookname='bda' and bookid=789 and dateissue='2022-10-24';
cqlsh:library> select * from library_info;

 studid | studname | bookname       | bookid | dateissue                       | counter_value
--------+----------+----------------+--------+---------------------------------+---------------
      1 |    Medha | elements of ai |    123 | 2022-10-23 18:30:00.000000+0000 |             1
      1 |    Medha | elements of ml |    456 | 2022-10-23 18:30:00.000000+0000 |             1
    112 |    Medha |            bda |    789 | 2022-10-23 18:30:00.000000+0000 |             2

(3 rows)
cqlsh:library> copy library_info(studid, studname, bookname, bookid, dateofissue, counter_value) to '/home/medha/Desktop';
Using 1 child processes
Invalid column name dateofissue
cqlsh:library> copy library_info(studid, studname, bookname, bookid, dateissue, counter_value) to '/home/medha/Desktop';
Using 1 child processes
Can't open '/home/medha/Desktop' for writing: [Errno 21] Is a directory: '/home/medha/Desktop'
cqlsh:library> copy library_info(studid, studname, bookname, bookid, dateissue, counter_value) to '/home/medha/Desktop/library_info.csv';
Using 1 child processes

Starting copy of library.library_info with columns [studid, studname, bookname, bookid, dateissue, counter_value].
Processed: 3 rows; Rate:       15 rows/s; Avg. rate:       15 rows/s
3 rows exported to 1 files in 0.201 seconds.
```