

## Library

### Create keyspace

```
cqlsh> create keyspace Library with replication = ('class': 'SimpleStrategy', 'replication_factor': '1') and durable_writes = 'true';
cqlsh> Stud_Id Primary Key, Counter_value of type Counter, Stud_Name, Book_Name, Book_Id, Date_of_issue
... CREATE TABLE Library_Info (Stud_Id int, Stud_name text, Book_name text, Book_Id text, Date_of_issue timestamp, Counter_value Counter, PRIMARY KEY (Stud_Id, Stud_name, Book_name, Book_Id, Date_of_issue));
SyntaxException: line 1:0 no viable alternative at input 'Stud_Id' ([Stud_Id]...)
cqlsh> CREATE TABLE Library_Info (Stud_Id int, Stud_name text, Book_name text, Book_Id text, Date_of_issue timestamp, Counter_value Counter, PRIMARY KEY (Stud_Id, Stud_name, Book_name, Book_Id, Date_of_issue));
InvalidRequest: Error from server: code=2200 [Invalid query] message="No keyspace has been specified. USE a keyspace, or explicitly specify keyspace.tablename"
cqlsh> CREATE TABLE Library.Library_Info (Stud_Id int, Stud_name text, Book_name text, Book_Id text, Date_of_issue timestamp, Counter_value Counter, PRIMARY KEY (Stud_Id, Stud_name, Book_name, Book_Id, Date_of_issue));
```

Inserting values, updating counter, and student with id 112 has taken a book “BDA” 2 times.

```
cqlsh> select * from Library.library_info;

stud_id | stud_name | book_name | book_id | date_of_issue          | counter_value
-----+-----+-----+-----+-----+-----
113 | Jamuna | BDA | 1 | 2018-07-22 18:30:00.000000+0000 | 2
112 | Priyanka | BDA | 1 | 2018-07-22 18:30:00.000000+0000 | 1

(2 rows)
cqlsh> UPDATE Library.library_info SET counter_value = counter_value+1 WHERE stud_id=112 and stud_name='Priyanka' and book_name='BDA' and book_id='1' and date_of_issue='2018-07-23';
cqlsh> UPDATE library_info SET counter_value = counter_value+1 WHERE stud_id=113 and stud_name='Priyanka' and book_name='BDA' and book_id='1' and date_of_issue='2018-07-23';
InvalidRequest: Error from server: code=2200 [Invalid query] message="No keyspace has been specified. USE a keyspace, or explicitly specify keyspace.tablename"
cqlsh> UPDATE Library.library_info SET counter_value = counter_value+1 WHERE stud_id=113 and stud_name='Priyanka' and book_name='BDA' and book_id='1' and date_of_issue='2018-07-23';
cqlsh> select * from Library.library_info;

stud_id | stud_name | book_name | book_id | date_of_issue          | counter_value
-----+-----+-----+-----+-----+-----
113 | Jamuna | BDA | 1 | 2018-07-22 18:30:00.000000+0000 | 2
113 | Priyanka | BDA | 1 | 2018-07-22 18:30:00.000000+0000 | 1
112 | Priyanka | BDA | 1 | 2018-07-22 18:30:00.000000+0000 | 2

(3 rows)
cqlsh> select * from Library.library_info where stud_id=112;

stud_id | stud_name | book_name | book_id | date_of_issue          | counter_value
-----+-----+-----+-----+-----+-----
112 | Priyanka | BDA | 1 | 2018-07-22 18:30:00.000000+0000 | 2

(1 rows)
```

## Export



