Cassandra lab 4

1- create key space killrvideo, replication params required
2- switch to key space killrvideo

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muhamedabdlnapy@nepo: ~     ×     +   ∨

muhamedabdlnapy@nepo:~$ docker exec -it b2608561d85e cqlsh
Connected to Test Cluster at 127.0.0.1:9042
[cqlsh 6.1.0 | Cassandra 4.1.5 | CQL spec 3.4.6 | Native protocol v5]
Use HELP for help.
cqlsh> CREATE KEYSPACE killrvideo
   ... WITH REPLICATION = {
   ...     'class' : 'SimpleStrategy',
   ...     'replication_factor' : 1
   ... };
cqlsh> USE killrvideo;
cqlsh:killrvideo> |
```

3- create table

```
CREATE TABLE IF NOT EXISTS videos (
    video_id TIMEUUID,
    added_date TIMESTAMP,
    description TEXT,
    title TEXT,
    user_id UUID,
    PRIMARY KEY(video_id)
);
```

4- Insert records of data into the table Videos

Video_id, added_date, description, title, user_id

2644c36e-14bd-11e5-839e-8438355b7e3a,'2011-10-05','Apache Cassandra is a high performance','DataStax Cassandra Tutorials',10d5c76c-8767-4db3-8050-e19e015b524c

5- **use the created keys pace killrvideo ,then**
create table
CREATE TABLE IF NOT EXISTS videos_by_title_year (
   title TEXT,
   added_year INT,
   added_date TIMESTAMP,
   description TEXT,
   user_id UUID,
   video_id UUID,
   PRIMARY KEY((title, added_year)));

6- **Insert records of data into the table videos_by_title_year**
   title,added_Year, added_date, description, user_id,video_id
     1- **'DataStax Cassandra Tutorials', 2011,5/10/2011,'Apache Cassandra', 10d5c76c-8767-4db3-8050-e19e015b524c,2644c36e-14bd-11e5-839e-8438355b7e3a**

7- **Display from video_by_title , title= DataStax Cassandra Tutorials and added_year =2011**


```
cqlsh:killrvideo> CREATE TABLE IF NOT EXISTS videos_by_title_year (
            ...         title TEXT,
            ...         added_year INT,
            ...         added_date TIMESTAMP,
            ...         description TEXT,
            ...         user_id UUID,
            ...         video_id UUID,
            ...         PRIMARY KEY((title, added_year))
            ... );
cqlsh:killrvideo> INSERT INTO videos_by_title_year (title, added_year, added_date, description, user_id, video_id)
            ... VALUES ('DataStax Cassandra Tutorials', 2011, '2011-10-05', 'Apache Cassandra', 10d5c76c-8767-4db3-8050-e19e015b524c, 2644c36e-14bd
-11e5-839e-8438355b7e3a);
cqlsh:killrvideo> SELECT * FROM videos_by_title_year
            ... WHERE title = 'DataStax Cassandra Tutorials'
            ...     AND added_year = 2011;

 title                        | added_year | added_date                      | description      | user_id                              | video_id
------------------------------+------------+---------------------------------+------------------+--------------------------------------+----------------
 DataStax Cassandra Tutorials |       2011 | 2011-10-05 00:00:00.000000+0000 | Apache Cassandra | 10d5c76c-8767-4db3-8050-e19e015b524c | 2644c36e-14b
d-11e5-839e-8438355b7e3a

(1 rows)
cqlsh:killrvideo>
```

8- update description = new cassandra when added_year = 2011 and title ='DataStax Cassandra Tutorials';

```
cqlsh:killrvideo> UPDATE videos_by_title_year
            ... SET description = 'new cassandra'
            ... WHERE title = 'DataStax Cassandra Tutorials'
            ...    AND added_year = 2011;
cqlsh:killrvideo> SELECT * FROM videos_by_title_year;

 title                       | added_year | added_date                      | description   | user_id                              | video_id
-----------------------------+------------+---------------------------------+---------------+--------------------------------------+-------------------------------------
 DataStax Cassandra Tutorials |      2011 | 2011-10-05 00:00:00.000000+0000 | new cassandra | 10d5c76c-8767-4db3-8050-e19e015b524c | 2644c36e-14bd-11e5-839e-843835
 5b7e3a

(1 rows)
cqlsh:killrvideo>
```

9- delete added_date value when added_year = 2011 and title ='DataStax Cassandra Tutorials';

10- Display all from video_by_title

```
cqlsh:killrvideo> DELETE
 title = 'DataStax Cassandra Tutorials';              ... FROM videos_by_title_year
            ... WHERE added_year = 2011
            ...     AND title = 'DataStax Cassandra Tutorials';
cqlsh:killrvideo> SELECT * FROM videos_by_title_year;

 title | added_year | added_date | description | user_id | video_id
-------+------------+------------+-------------+---------+----------

(0 rows)
cqlsh:killrvideo>
```