LAB RECORD

1BM19CS194

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6-D

LAB4

cqlsh:employee> CREATE KEYSPACE employee WITH REPLICATION={ 'class' : 'SimpleStrategy', 'replication_factor' : 1};

cqlsh:employee> USE employee;

cqlsh:employee> create table employee_info(emp_id int PRIMARY KEY, emp_name text,

    ... designation text, date_of_joining timestamp, salary double PRIMARY KEY, dept_name text);

cqlsh:employee> CREATE TABLE employee_info(emp_id int, emp_name text, designation text, date_of_joining timestamp, salary double, dept_name text, PRIMARY KEY(emp_id, salary));

cqlsh:employee> BEGIN BATCH INSERT INTO

    ...
employee_info(emp_id,emp_name,designation,date_of_joining,salary,dept_name)

    ... VALUES(100,'John','MANAGER','2021-09-11',30000,'TESTING');

    ... INSERT INTO

    ...
employee_info(emp_id,emp_name,designation,date_of_joining,salary,dept_name)

    ... VALUES(111,'Tom','ASSOCIATE','2021-06-22',25000,'DEVELOPING');

    ... INSERT INTO

```
        ...
employee_info(emp_id,emp_name,designation,date_of_joining,salary,dept_n
ame)

        ... VALUES(121,'Elsa','MANAGER','2021-03-30',35000,'HR');

        ... INSERT INTO

        ...
employee_info(emp_id,emp_name,designation,date_of_joining,salary,dept_n
ame)

        ... VALUES(115,'Chris','ASSISTANT','2021-12-30',20000,'DEVELOPING');

        ... INSERT INTO

        ...
employee_info(emp_id,emp_name,designation,date_of_joining,salary,dept_n
ame)

        ... VALUES(105,'Sarah','ASSOCIATE','2021-06-25',25000,'TESTING');

        ... APPLY BATCH;

cqlsh:employee> SELECT * FROM employee_info

        ... ;


 emp_id | salary | date_of_joining           | dept_name  | designation |
emp_name

--------+--------+-------------------------------+------------+-------------+----------

   105 |  25000 | 2021-06-24 18:30:00.000000+0000 |   TESTING |  ASSOCIATE
|    Sarah

   111 |  25000 | 2021-06-21 18:30:00.000000+0000 | DEVELOPING |
ASSOCIATE |     Tom

   121 |  35000 | 2021-03-29 18:30:00.000000+0000 |       HR |    MANAGER |
Elsa

   115 |  20000 | 2021-12-29 18:30:00.000000+0000 | DEVELOPING |
ASSISTANT |     Chris
```

```
    100 |  30000 | 2021-09-10 18:30:00.000000+0000 |    TESTING |
MANAGER |    John
```

(5 rows)

cqlsh:employee> UPDATE employee_info SET emp_name = 'Jessica', dept_name = 'DEVELOPING' WHERE emp_id = 121;

cqlsh:employee> UPDATE employee_info SET emp_name = 'Jessica', dept_name = 'DEVELOPING' WHERE emp_id = 121 AND salary = 35000;

cqlsh:employee> SELECT * FROM employee_info ;

```
 emp_id | salary | date_of_joining             | dept_name  | designation |
emp_name
--------+--------+-------------------------------+------------+------------+----------
    105 |  25000 | 2021-06-24 18:30:00.000000+0000 |    TESTING |   ASSOCIATE
|    Sarah
    111 |  25000 | 2021-06-21 18:30:00.000000+0000 | DEVELOPING |
ASSOCIATE |     Tom
    121 |  35000 | 2021-03-29 18:30:00.000000+0000 | DEVELOPING |
MANAGER |  Jessica
    115 |  20000 | 2021-12-29 18:30:00.000000+0000 | DEVELOPING |
ASSISTANT |    Chris
    100 |  30000 | 2021-09-10 18:30:00.000000+0000 |    TESTING |
MANAGER |    John
```

(5 rows)

cqlsh:employee> SELECT * FROM employee_info WHERE emp_id in (105, 111, 121, 115, 100) order by salary;

cqlsh:employee> paging off

Disabled Query paging.

cqlsh:employee> SELECT * FROM employee_info WHERE emp_id in (105, 111, 121, 115, 100) order by salary;

 emp_id | salary | date_of_joining | dept_name | designation | emp_name

--------+--------+--------------------------------+------------+-------------+----------

   115 | 20000 | 2021-12-29 18:30:00.000000+0000 | DEVELOPING | ASSISTANT | Chris

   105 | 25000 | 2021-06-24 18:30:00.000000+0000 | TESTING | ASSOCIATE | Sarah

   111 | 25000 | 2021-06-21 18:30:00.000000+0000 | DEVELOPING | ASSOCIATE | Tom

   100 | 30000 | 2021-09-10 18:30:00.000000+0000 | TESTING | MANAGER | John

   121 | 35000 | 2021-03-29 18:30:00.000000+0000 | DEVELOPING | MANAGER | Jessica

(5 rows)

cqlsh:employee> ALTER TABLE employee_info ADD projects text;

cqlsh:employee> UPDATE employee_info SET projects = 'Chat App' WHERE emp_id = 111;

cqlsh:employee> UPDATE employee_info SET projects = 'Chat App' WHERE emp_id = 111 and salary = 25000;

cqlsh:employee> UPDATE employee_info SET projects = 'Discord Bot' WHERE emp_id = 115 and salary = 20000;

cqlsh:employee> UPDATE employee_info SET projects = 'Campus Portal' WHERE emp_id = 105 and salary = 25000;

cqlsh:employee> UPDATE employee_info SET projects = 'YouTube Downloader' WHERE emp_id = 100 and salary = 30000;

```
cqlsh:employee> UPDATE employee_info SET projects = 'Library Management System ' WHERE emp_id = 121 and salary = 35000;

cqlsh:employee> SELECT * FROM employee_infor

        ... ;

cqlsh:employee> SELECT * FROM employee_info ;


 emp_id | salary | date_of_joining               | dept_name  | designation | emp_name | projects

--------+--------+-------------------------------+------------+-------------+----------+---------------------------

   105 |  25000 | 2021-06-24 18:30:00.000000+0000 |    TESTING |   ASSOCIATE |    Sarah |          Campus Portal

   111 |  25000 | 2021-06-21 18:30:00.000000+0000 | DEVELOPING |   ASSOCIATE |      Tom |              Chat App

   121 |  35000 | 2021-03-29 18:30:00.000000+0000 | DEVELOPING |     MANAGER |  Jessica | Library Management System

   115 |  20000 | 2021-12-29 18:30:00.000000+0000 | DEVELOPING |   ASSISTANT |    Chris |           Discord Bot

   100 |  30000 | 2021-09-10 18:30:00.000000+0000 |    TESTING |     MANAGER |     John |      YouTube Downloader


(5 rows)

cqlsh:employee> NSERT INTO

        ...
employee_info(emp_id,emp_name,designation,date_of_joining,salary,dept_name)

        ...

        ... ;

cqlsh:employee> INSERT INTO
```

```
        ...
employee_info(emp_id,emp_name,designation,date_of_joining,salary,dept_n
ame)

        ... VALUES(110,'SAM','ASSOCIATE','2021-01-11',28000,'TESTING') USING
TTL 15;
```

cqlsh:employee> SELECT TTL(emp_name) from employee_info WHERE emp_id
= 110;

 ttl(emp_name)

         3

(1 rows)

cqlsh:employee> SELECT * FROM employee_info;

 emp_id | salary | date_of_joining | dept_name | designation |
emp_name | projects

--------+--------+--------------------------------+------------+-------------+----------+-----------
----

   105 | 25000 | 2021-06-24 18:30:00.000000+0000 | TESTING | ASSOCIATE
| Sarah | Campus Portal

   111 | 25000 | 2021-06-21 18:30:00.000000+0000 | DEVELOPING |
ASSOCIATE | Tom | Chat App

   121 | 35000 | 2021-03-29 18:30:00.000000+0000 | DEVELOPING |
MANAGER | Jessica | Library Management System

   115 | 20000 | 2021-12-29 18:30:00.000000+0000 | DEVELOPING |
ASSISTANT | Chris | Discord Bot

   100 | 30000 | 2021-09-10 18:30:00.000000+0000 | TESTING |
MANAGER | John | YouTube Downloader

(5 rows)