

## Lab 2 - BDA

### 1BM18CS079 - Rajath MK

### B2 batch

#### Exp 1 : Employee

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

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

```
cqlsh:employee> BEGIN BATCH INSERT INTO employee_info(emp_id,emp_name,designation,date_of_joining,salary,dept_name) VALUES (111,'SRIRAM','ASSOCIATE','2020-06-21 18:30:00.000000+0000',25000,'DEVELOPING')
... INSERT INTO employee_info(emp_id,emp_name,designation,date_of_joining,salary,dept_name) VALUES (121,'SHIVA','MANAGER','2020-03-29 18:30:00.000000+0000',35000,'HR')
... INSERT INTO employee_info(emp_id,emp_name,designation,date_of_joining,salary,dept_name) VALUES (100,'TANYA','MANAGER','2020-09-10 18:30:00.000000+0000',30000,'TESTING')
... APPLY BATCH;
```

```
cqlsh:employee> SELECT * FROM employee_info;
```

| emp_id | date_of_joining                 | dept_name  | designation | emp_name | salary |
|--------|---------------------------------|------------|-------------|----------|--------|
| 111    | 2020-06-21 18:30:00.000000+0000 | DEVELOPING | ASSOCIATE   | SRIRAM   | 25000  |
| 121    | 2020-03-29 18:30:00.000000+0000 | HR         | MANAGER     | SHIVA    | 35000  |
| 100    | 2020-09-10 18:30:00.000000+0000 | TESTING    | MANAGER     | TANYA    | 30000  |

(3 rows)

```
cqlsh:employee> UPDATE employee_info SET emp_name = 'SHAAN' WHERE emp_id = 121;
cqlsh:employee> SELECT * FROM employee_info;
```

| emp_id | date_of_joining                 | dept_name  | designation | emp_name | salary |
|--------|---------------------------------|------------|-------------|----------|--------|
| 111    | 2020-06-21 18:30:00.000000+0000 | DEVELOPING | ASSOCIATE   | SRIRAM   | 25000  |
| 121    | 2020-03-29 18:30:00.000000+0000 | HR         | MANAGER     | SHAAN    | 35000  |
| 100    | 2020-09-10 18:30:00.000000+0000 | TESTING    | MANAGER     | TANYA    | 30000  |

(3 rows)

```
cqlsh:employee> ALTER TABLE employee_info ADD projects_done set<text>;
```

```
cqlsh:employee> ALTER TABLE employee_info ADD projects_done set<text>;
```

```
cqlsh:employee> UPDATE employee_info SET projects_done = {'chat app'} WHERE emp_id = 111;
cqlsh:employee> UPDATE employee_info SET projects_done = {'campusx,flashcard'} WHERE emp_id = 121;
cqlsh:employee> UPDATE employee_info SET projects_done = {'canteen app'} WHERE emp_id = 100;
cqlsh:employee> SELECT * FROM employee_info
... ;
```

| emp_id | date_of_joining                 | dept_name  | designation | emp_name | projects_done         | salary |
|--------|---------------------------------|------------|-------------|----------|-----------------------|--------|
| 111    | 2020-06-21 18:30:00.000000+0000 | DEVELOPING | ASSOCIATE   | SRIRAM   | {'chat app'}          | 25000  |
| 121    | 2020-03-29 18:30:00.000000+0000 | HR         | MANAGER     | SHAAN    | {'campusx,flashcard'} | 35000  |
| 100    | 2020-09-10 18:30:00.000000+0000 | TESTING    | MANAGER     | TANYA    | {'canteen app'}       | 30000  |

(3 rows)

```
cqlsh:employee> INSERT INTO employee_info(emp_id,emp_name,designation,date_of_joining,salary,dept_name) VALUES(110,'SAM','ASSOCIATE','2020-01-11',33000,'TESTING') USING
TTL 15;
```

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

```
t1(emp_name)
-----
13
```

(1 rows)

```
cqlsh:employee> SELECT * FROM employee_info;
```

| emp_id | date_of_joining                 | dept_name  | designation | emp_name | projects_done         | salary |
|--------|---------------------------------|------------|-------------|----------|-----------------------|--------|
| 110    | 2020-01-10 18:30:00.000000+0000 | TESTING    | ASSOCIATE   | SAM      | null                  | 33000  |
| 111    | 2020-06-21 18:30:00.000000+0000 | DEVELOPING | ASSOCIATE   | SRIRAM   | {'chat app'}          | 25000  |
| 121    | 2020-03-29 18:30:00.000000+0000 | HR         | MANAGER     | SHAAN    | {'campusx,flashcard'} | 35000  |
| 100    | 2020-09-10 18:30:00.000000+0000 | TESTING    | MANAGER     | TANYA    | {'canteen app'}       | 30000  |

(4 rows)

```
cqlsh:employee> SELECT * FROM employee_info
... ;
```

| emp_id | date_of_joining                 | dept_name  | designation | emp_name | projects_done         | salary |
|--------|---------------------------------|------------|-------------|----------|-----------------------|--------|
| 111    | 2020-06-21 18:30:00.000000+0000 | DEVELOPING | ASSOCIATE   | SRIRAM   | {'chat app'}          | 25000  |
| 121    | 2020-03-29 18:30:00.000000+0000 | HR         | MANAGER     | SHAAN    | {'campusx,flashcard'} | 35000  |
| 100    | 2020-09-10 18:30:00.000000+0000 | TESTING    | MANAGER     | TANYA    | {'canteen app'}       | 30000  |

(3 rows)