

LAB 4

Perform the following DB operations using Cassandra.

1. Create a keyspace by name Employee

```
cqlsh> CREATE KEYSPACE Employee WITH replication = {'class': 'SimpleStrategy', 'replication_factor': 1};
AlreadyExists: Keyspace 'employee' already exists
cqlsh> use Employee
```

2. Create a column family by name

Employee-Info with attributes

Emp_Id Primary Key, Emp_Name,
Designation, Date_of_Joining, Salary,
Dept_Name

```
cqlsh:employee> create table Employee(empl_id int primary key, emp_name text, Date_of_Joining int, Salary double, Dept_Name text);
cqlsh:employee>
```

3. Insert the values into the table in batch

```
cqlsh:employee> INSERT INTO Employee (empl_id, emp_name, Date_of_Joining, Salary, Dept_Name)
... VALUES (123, 'John Doe', 20220416, 50000.0, 'Engineering');
cqlsh:employee> INSERT INTO Employee (empl_id, emp_name, Date_of_Joining, Salary, Dept_Name)
... VALUES (456, 'Jane Smith', 20220301, 60000.0, 'Marketing');
cqlsh:employee> INSERT INTO Employee (empl_id, emp_name, Date_of_Joining, Salary, Dept_Name)
... VALUES (789, 'Alice Johnson', 20220115, 55000.0, 'Sales');
cqlsh:employee> INSERT INTO Employee (empl_id, emp_name, Date_of_Joining, Salary, Dept_Name)
... VALUES (101, 'Michael Brown', 20220401, 52000.0, 'Engineering');
cqlsh:employee> INSERT INTO Employee (empl_id, emp_name, Date_of_Joining, Salary, Dept_Name)
... VALUES (202, 'Emily Davis', 20220315, 48000.0, 'Marketing');
cqlsh:employee> INSERT INTO Employee (empl_id, emp_name, Date_of_Joining, Salary, Dept_Name)
... VALUES (303, 'David Wilson', 20220105, 60000.0, 'Engineering');
cqlsh:employee> INSERT INTO Employee (empl_id, emp_name, Date_of_Joining, Salary, Dept_Name) VALUES (121, 'Sarah Johnson', 20220220, 55000.0, 'Marketing');
```

4. Update Employee name and Department of Emp-Id 2

```
cqlsh:employee> UPDATE Employee
... SET emp_name = 'New Name', Dept_Name = 'New Department'
... WHERE empl_id = 121;
```

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

empl_id	date_of_joining	dept_name	emp_name	salary
123	20220416	Engineering	John Doe	50000
456	20220301	Marketing	Jane Smith	60000
121	20220220	New Department	New Name	55000
303	20220105	Engineering	David Wilson	60000
101	20220401	Engineering	Michael Brown	52000
789	20220115	Sales	Alice Johnson	55000
202	20220315	Marketing	Emily Davis	48000

```
(7 rows)
```