

LAB-4

Perform the following DB operations using Cassandra.

1. Create a keyspace by name Employee.

```
CREATE KEYSPACE Employee WITH replication = {'class': 'SimpleStrategy',  
'replication_factor' : 1};
```

2. Create a column family by name Employee-Info with attributes Emp_Id Primary Key, Emp_Name, Designation, Date_of_Joining, Salary, Dept_Name.
use Employee;

```
CREATE TABLE Employee_info(Emp_Id int PRIMARY KEY, Emp_Name text, Designation  
text, Date_of_Joining timestamp, Salary int, Dept_Name text);
```

3. Insert the values into the table in batch.

```
BEGIN BATCH
```

```
INSERT INTO Employee_info(Emp_Id, Emp_Name, Designation, Date_of_Joining, Salary,  
Dept_Name)VALUES(111,'A','ANALYST','2024-04-16',100000,'DATA SCIENCE')
```

```
INSERT INTO Employee_info(Emp_Id, Emp_Name, Designation, Date_of_Joining, Salary,  
Dept_Name)VALUES(121,'B','MANAGER','2024-08-20',10000,'HR')
```

```
APPLY BATCH;
```

```
SELECT * FROM Employee_info;
```

emp_id	date_of_joining	dept_name	designation	emp_name	salary
121	2024-04-15 18:30:00.000000+0000	datascience	analyst	xyz	100000
321	2024-04-14 18:30:00.000000+0000	datascience	analyst	abc	900000

4. Update Employee name and Department of Emp-Id 121.

```
UPDATE Employee_info SET Emp_name='x', Dept_Name='account' WHERE Emp_Id=121;
```

```
SELECT * FROM Employee_info;
```

emp_id	date_of_joining	dept_name	designation	emp_name	salary
121	2024-04-15 18:30:00.000000+0000	data	analyst	pqr	100000
321	2024-04-14 18:30:00.000000+0000	datascience	analyst	abc	900000