

Lab 4

Perform the following DB operations using Cassandra.

1. Create a keyspace by name 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
3. Insert the values into the table in batch
4. Update Employee name and Department of
Emp-Id 121

```
cqlsh> create keyspace Employee with replication ={
... 'class':'SimpleStrategy',
... 'replication_factor':1
... };
cqlsh> use Employee
... ;
cqlsh:employee> create table Employee_info(
... Name text,
... Emp_Id int PRIMARY KEY,
... Designation text,
... DateofJoining timestamp,
... Department text
... ,Salary int
... );
```

```
cqlsh:employee> begin batch insert into Employee_info(Name,Emp_Id,Designation,DateofJoining,Department,Salary) values('Raj',121,'Tester','2012-03-29','Testing',40000) insert into Employee_info(Name,Emp_Id,Designation,DateofJoining,Department,Salary) values('Anand',122,'Developer','2013-02-27','SE',60000) insert into Employee_info(Name,Emp_Id,Designation,DateofJoining,Department,Salary) values('Shanthi',123,'Developer','2014-04-12','SE',80000) insert into Employee_info(Name,Emp_Id,Designation,DateofJoining,Department,Salary) values('Priya',124,'Analyst','2012-05-29','Data',50000) apply batch;
```

```
2012-05-28, date, 50000, apply salary;
cqlsh:employee> update Employee_info set Name='Rajesh' where Emp_Id=121;
cqlsh:employee> select * from Employee_info;
```

emp_id	dateofjoining	department	designation	name	salary
123	2014-04-11 18:30:00.000000+0000	SE	Developer	Shanthi	80000
122	2013-02-26 18:30:00.000000+0000	SE	Developer	Anand	60000
121	2012-03-28 18:30:00.000000+0000	Testing	Tester	Rajesh	40000
124	2012-05-28 18:30:00.000000+0000	Data	Analyst	Priya	50000

(4 rows)

```
2012-05-28, name, rajesh, 50000, apply salary;
cqlsh:employee> update Employee_info set Department='Data' where Emp_Id=121;
cqlsh:employee> select * from Employee_info;
```

emp_id	dateofjoining	department	designation	name	salary
123	2014-04-11 18:30:00.000000+0000	SE	Developer	Shanthi	80000
122	2013-02-26 18:30:00.000000+0000	SE	Developer	Anand	60000
121	2012-03-28 18:30:00.000000+0000	Data	Tester	Rajesh	40000
124	2012-05-28 18:30:00.000000+0000	Data	Analyst	Priya	50000

(4 rows)