

## Lab program- Week 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;
```

```
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)

```
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)