Lab 2 Cassandra Employee\_Info

Code:  
a) Create a Keyspace named Employee

CREATE KEYSPACE Employee

WITH REPLICATION = {'class': 'SimpleStrategy', 'replication\_factor': 1};

b) Create a Column Family Employee\_Info

CREATE TABLE Employee.Employee\_Info (

Emp\_Id int PRIMARY KEY,

Emp\_Name text,

Designation text,

Date\_of\_Joining date,

Salary decimal,

Dept\_Name text

);

c) Insert values into the table using BATCH

BEGIN BATCH

INSERT INTO Employee.Employee\_Info (Emp\_Id, Emp\_Name, Designation, Date\_of\_Joining, Salary, Dept\_Name)

VALUES (121, 'John Doe', 'Manager', '2020-01-10', 75000.00, 'Sales');

INSERT INTO Employee.Employee\_Info (Emp\_Id, Emp\_Name, Designation, Date\_of\_Joining, Salary, Dept\_Name)

VALUES (122, 'Jane Smith', 'Engineer', '2021-06-01', 60000.00, 'Development');

INSERT INTO Employee.Employee\_Info (Emp\_Id, Emp\_Name, Designation, Date\_of\_Joining, Salary, Dept\_Name)

VALUES (123, 'Alice Brown', 'Analyst', '2022-03-15', 50000.00, 'Marketing');

APPLY BATCH;

d) Update Employee Name and Department for Emp\_Id = 121

UPDATE Employee.Employee\_Info

SET Emp\_Name = 'John A. Doe', Dept\_Name = 'HR'

WHERE Emp\_Id = 121;

f) Alter table to add a column Projects of type set<text>

ALTER TABLE Employee.Employee\_Info

ADD Projects set<text>;

g) Update the Projects set for an employee

UPDATE Employee.Employee\_Info

SET Projects = {'Project A', 'Project B'}

WHERE Emp\_Id = 121;

h) Insert a row with TTL of 15 seconds

INSERT INTO Employee.Employee\_Info (Emp\_Id, Emp\_Name, Designation, Date\_of\_Joining, Salary, Dept\_Name)

VALUES (124, 'Tim Cook', 'Director', '2023-05-12', 90000.00, 'Executive')

USING TTL 15;

Output screenshot:

