

8/04/2025

LAB 05

2.)

1. CREATE KEYSPACE Employee WITH replication
class: 'SimpleStrategy', 'replication factor' : 3;
USE Employee

2. CREATE TABLE Employee-Info (
Emp-Id INT PRIMARY KEY,
Emp-Name TEXT,
Designation TEXT,
Date-of-Joining DATE,
Salary DECIMAL,
Dept-Name TEXT
);

3. BEGIN BATCH
INSERT INTO Employee-Info (Emp-Id, Emp-Name, Designation,
Date-of-Joining, Salary, Dept-Name)
VALUES (122, 'Jane Smith', 'Data Scientist', '2021-01-01',
82000.00, 'Analytics')
APPLY BATCH;

4. UPDATE Employee-Info
SET Emp-Name = 'John Wick', Dept-Name = 'Security'
WHERE Emp-Id = 121;

5. CREATE TABLE Employee-Info-Sy-Salary (
 Emp-Id INT,
 Emp-Name TEXT,
 Designation TEXT,
 Date-Joining DATE,
 Salary DECIMAL,
 Dept-Name TEXT,
 PRIMARY KEY (Salary, Emp-Id, Dept-Name)
) WITH CLUSTERING ORDER BY (Salary DESC);

6. ALTER TABLE Employee-Info ADD Projects SET ('Text');

4. UPDATE Employee-Info
 SET Projects = ('ProjectA', 'ProjectB')
 WHERE Emp-Id = 121;

7. UPDATE Employee-Info
 USING TIL IS
 SET Emp-Name = 'John Wick', 'Dept-Name' = 'Security'
 WHERE Emp-Id = 121;

3)

1. CREATE KEYSPACE Library WITH replication = 2 'class' : 'strategy', 'replication-factor' : 33;

2. USE Library

CREATE TABLE Library-Info (
 Stud-Id INT PRIMARY KEY,
 Counter-Value COUNTER,
 Stud-Name TEXT,
 Book-Name TEXT,
 Book-Id INT,
 Date-of-issue DATE);

3. BEGIN BATCH

INSERT INTO Library-Info (Stud-Id, Counter-value,
 Stud-Name, Book-Name, Book-Id, Date-of-issue)
 VALUES (111, 1, 'Alice Green', 'Cassandra 101', 101,
 '2025-04-08');
 APPLY BATCH;

4. SELECT * FROM Library-Info;

UPDATE Library-Info
 SET Counter-value = Counter-value + 1
 WHERE Stud-Id = 112;

5. SELECT Stud-Id, Book-Name, COUNT(*) FROM Library-Info
 WHERE Stud-Id = 112 AND Book-Name = 'BDA'
 GROUP BY Stud-Id, Book-Name;

- 6. COPY Library - Info TO '/path 1 to /your /file.csv';
- 7. COPY Library - Info FROM '/path /b /your /file.csv';

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