Lab 4 Cassandra Part - I

1. What is the command used to create a keyspace named Employee with SimpleStrategy and replication factor 1? CREATE KEYSPACE Employee WITH replication = {'class': 'SimpleStrategy', 'replication factor': 1}; How do you create a table named Employee Info with fields for ID, name, designation, joining date, salary, and department? CREATE TABLE Employee Info (Emp Id int PRIMARY KEY, Emp Name text, Designation text, Date of Joining date, Salary float, Dept Name text); 2. How do you insert multiple records in a batch in Cassandra? **BEGIN BATCH** INSERT INTO Employee Info (Emp Id, Emp Name, Designation, Date of Joining, Salary, Dept Name) VALUES (121, 'Anit', 'Manager', '2018-02-01', 70000.0, 'Sales'); INSERT INTO Employee Info (Emp Id, Emp Name, Designation, Date of Joining, Salary, Dept_Name) VALUES (122, 'Priya', 'Developer', '2020-06-15', 50000.0, 'IT'); INSERT INTO Employee Info (Emp Id, Emp Name, Designation, Date of Joining, Salary, Dept_Name)

VALUES (123, 'Rahul', 'Analyst', '2019-11-20', 60000.0, 'Finance');

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APPLY BATCH;
3. What query updates the name and department of the employee with Emp Id = 121?
UPDATE Employee Info
SET Emp_Name = 'Anit Kumar', Dept_Name = 'Marketing'
WHERE Emp Id = 121;
4. What is the correct query to fetch employees whose salary is greater than 0 using ALLOW
FILTERING?
SELECT * FROM Employee_Info
WHERE Salary > 0
ALLOW FILTERING;
5. How do you add a new column Projects of type set<text> to the table?
ALTER TABLE Employee Info ADD Projects set<text>;
6. How do you update the projects of employee with Emp Id = 121?
UPDATE Employee Info
SET Projects = {'ProjectA', 'ProjectB'}
WHERE Emp Id = 121;
7. How do you insert a new record into the updated table including the new Projects column
with TTL?
INSERT INTO Employee Info (Emp Id, Emp Name, Designation, Date of Joining, Salary,
Dept_Name)
VALUES (124, 'Neha', 'HR', '2022-03-01', 45000.0, 'HR')
USING TTL 15;
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