Cassandra-2

- 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
- 5. Sort the details of Employee records based on salary
- 6. Alter the schema of the table Employee_Info to add a column Projects which stores a set of Projects done by the corresponding Employee.
- 7. Update the altered table to add project names.
- 8.Create a TTL of 15 seconds to display the values of Employees.

```
CREATE KEYSPACE Employee WITH replication = {'class': 'SimpleStrategy', 'replication factor': 1};
```

```
CREATE TABLE IF NOT EXISTS Employee. Employee Info (
```

```
Emp_Id INT PRIMARY KEY,

Emp_name TEXT,

Designation TEXT,

date_of_joining DATE,

Salary FLOAT,

Dep_name TEXT,

Projects SET<TEXT>

);

USE Employee;
```

CREATE TABLE IF NOT EXISTS Employee_Info (Emp_Id INT PRIMARY KEY, Emp_name TEXT, designation TEXT, date_of_joining DATE, Salary FLOAT, Dep_name TEXT, Projects SET<TEXT>);

UPDATE employee_info USING TTL 15 SET salary = 0 WHERE emp_id = 121;

UPDATE employee_info SET emp_name = 'Priyanka GH' WHERE emp_id = 120;

UPDATE employee_info SET bonus = 12000 WHERE emp_id = 120;

UPDATE employee_info USING TTL 15 SET salary = 0 WHERE emp_id = 121;

```
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```
cqlsh:employee> update employee_info using ttl 15 set salary = 0 where emp_id = 121;
cqlsh:employee> select * from employee_info;

emp_id | bonus | date_of_joining | dep_name | designation | emp_name | projects | salary

120 | 12000 | 2024-05-06 | Engineering | Developer | Priyanka GH | {'Project B', 'ProjectA'} | 1e+06
123 | null | 2024-05-06 | Management | Bigineer | Sadhana | {'Project M', 'Project M', 'Project B' | 9e+05
121 | 11000 | 2024-05-06 | Management | Developer | Shreya | {'Project C', 'Project M', 'Project B' | 9e+05
121 | 11000 | 2024-05-06 | Management | Developer | Shreya | {'Project C', 'Project A' | 0

(4 rows)
cqlsh:employee> select * from employee_info;

emp_id | bonus | date_of_joining | dep_name | designation | emp_name | projects | salary

120 | 12000 | 2024-05-06 | Engineering | Developer | Priyanka GH | {'Project B', 'ProjectA'} | 1e+06
123 | null | 2024-05-06 | Management | HR | Rachana | {'Project M', 'Project M'
```

```
AMD speculative_retry = "999;

colshiemployees select ** from employee_info;

my_16 | setz_col_shirting| dep_name | designation| emp_name | projects | salary

my_16 | setz_col_shirting| dep_name | designation| projects | salary |

123 | 2024-05-07 | dighterating| Septimer | salarian | frequency | salarian |

123 | 2024-05-07 | dighterating| Septimer | Service | Septimer | Service | Frequency | 1.2 coles |

124 | 2024-05-07 | dighterating| Septimer | Service | Septimer | Service | Frequency | 1.2 coles |

125 | 2024-05-05 | Ranagement | Developer | Service | Service | Frequency | 1.2 coles |

126 | Frequency | Service |
```