Program 1. Perform the following DB operations using Cassandra.

1. Create a key space by name Employee

```
CREATE KEYSPACE Employee WITH REPLICATION = {
    ... 'class' : 'SimpleStrategy', 'replication_factor' : 1
    ... };
```

2. Create a column family by name Employee-Info with attributes Emp_Id Primary Key, Emp_Name, Designation, Date_of_Joining, Salary, Dept_Name

```
CREATE TABLE Employee_info(
... Emp_Id int PRIMARY KEY,
... Emp_Name text,
... Designation text,
... Date_of_joining timestamp,
... Salary double,
... Dept_Name text
... );
```

3. Insert the values into the table in batch

BEGIN BATCH

... INSERT INTO

Employee_info(Emp_Id,Emp_Name,Designation,Date_of_joining,Salary,Dept_Name)

- ... VALUES(1,'Prema','Manager','2023-08-28','50000','Executive')
- ... INSERT INTO

Employee info(Emp Id,Emp Name,Designation,Date of joining,Salary,Dept Name)

- ... VALUES(121,'Pooja','Product-Manager','2023-08-28','60000','Product-Management')
- ... INSERT INTO

Employee_info(Emp_Id,Emp_Name,Designation,Date_of_joining,Salary,Dept_Name)

- ... VALUES(118,'Prathiksha','Design-Lead','2023-09-28','70000','Design')
- ... INSERT INTO

Employee_info(Emp_Id,Emp_Name,Designation,Date_of_joining,Salary,Dept_Name)

- ... VALUES(119,'Prathibha','CTO','2024-09-28','70000','Development')
- ... INSERT INTO

Employee info(Emp Id,Emp Name,Designation,Date of joining,Salary,Dept Name)

- ... VALUES(116,'Prateek.G','Sales-Manager','2022-09-28','80000','Sales')
- ... APPLY BATCH;

4. Update Employee name and Department of Emp-Id 121

UPDATE Employee_info SET Emp_Name = 'Chinmayee',Dept_Name = 'Sales' WHERE Emp_Id = 121;

```
cqlsh:employee> UPDATE Employee_info SET Emp_Name = 'Chinmayee',Dept_Name = 'Sales' WHERE Emp_Id = 121;
cqlsh:employee> SELECT * FROM Employee_info;

emp_id | date_of_joining | dept_name | designation | emp_name | salary

118 | 2023-09-28 | Design | Design-Lead | Prathiksha | 70000
1 | 2023-08-28 | Executive | Manager | Prema | 50000
116 | 2022-09-28 | Sales | Sales-Manager | Prateek.G | 80000
121 | 2023-08-28 | Sales | Product-Manager | Chinmayee | 60000
119 | 2024-09-28 | Development | CTO | Prathibha | 70000

(5 rows)
cqlsh:employee>
```

- 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.