

Perform the following DB operations using Cassandra.

1. Create a keyspace by name Employee

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

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

```
CREATE TABLE Employee_Info(Emp_id int PRIMARY KEY, Emp_Name text, Designation text,  
Date_of_Joining timestamp, Salary double, Dept_Name text);
```

```
cqlsh:employee> 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 (111, 'John', 'Manager', '2010-02-27', 80000.0, 'IT')
```

```
insert into Employee_Info(Emp_id, Emp_Name, Designation, Date_of_Joining,  
Salary, Dept_Name)
```

```
VALUES (121, 'James', 'Developer', '2019-06-27', 60000.0, 'IT')
```

```
insert into Employee_Info(Emp_id, Emp_Name, Designation, Date_of_Joining,  
Salary, Dept_Name)
```

```
VALUES (131, 'Riya', 'Developer', '2020-01-17', 40000.0, 'IT')
```

```
insert into Employee_Info(Emp_id, Emp_Name, Designation, Date_of_Joining,  
Salary, Dept_Name)
```

```
VALUES (141, 'Priya', 'Analyst', '2022-02-18', 50000.0, 'IT')
```

```
insert into Employee_Info(Emp_id, Emp_Name, Designation, Date_of_Joining,  
Salary, Dept_Name)
```

```
VALUES (151, 'Davaid', 'Analyst', '2012-02-18', 70000.0, 'IT')
```

```
APPLY BATCH
```

```
cqlsh:employee> begin batch
... insert into Employee_Info(Emp_id,Emp_Name,Designation, Date_of_Joinin
g, Salary,Dept_Name)
... VALUES (111,'John','Manager','2010-02-27',80000.0,'IT')
... insert into Employee_Info(Emp_id,Emp_Name,Designation, Date_of_Joinin
g, Salary,Dept_Name)
... VALUES (121,'James','Developer','2019-06-27',60000.0,'IT')
... insert into Employee_Info(Emp_id,Emp_Name,Designation, Date_of_Joinin
g, Salary,Dept_Name)
... VALUES (131,'Riya','Developer','2020-01-17',40000.0,'IT')
... insert into Employee_Info(Emp_id,Emp_Name,Designation, Date_of_Joinin
g, Salary,Dept_Name)
... VALUES (141,'Priya','Analyst','2022-02-18',50000.0,'IT')
... insert into Employee_Info(Emp_id,Emp_Name,Designation, Date_of_Joinin
g, Salary,Dept_Name)
... VALUES (151,'Davaid','Analyst','2012-02-18',70000.0,'IT')
... APPLY BATCH;
```

```
cqlsh:employee> select * from employee_info;
```

emp_id	date_of_joining	dept_name	designation	emp_name	salary
111	2010-02-26 18:30:00.000000+0000	IT	Manager	John	80000
151	2012-02-17 18:30:00.000000+0000	IT	Analyst	Davaid	70000
121	2019-06-26 18:30:00.000000+0000	IT	Developer	James	60000
141	2022-02-17 18:30:00.000000+0000	IT	Analyst	Priya	50000
131	2020-01-16 18:30:00.000000+0000	IT	Developer	Riya	40000

(5 rows)

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

UPDATE Employee_Info SET Emp_Name = 'Jeevan', Department = 'Finance' WHERE Emp_id = 121;

```
cqlsh:employee> UPDATE Employee_Info SET Emp_Name = 'Jeevan', dept_name = 'Finance' WHERE Emp_id = 121;
cqlsh:employee> select * from Employee_info where Emp_Id = 121;
```

emp_id	date_of_joining	dept_name	designation	emp_name	salary
121	2019-06-26 18:30:00.000000+0000	Finance	Developer	Jeevan	60000

(1 rows)