Lab 4

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;

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 int, 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,'A','ANALYST','2024-04-16',100000,'DATA SCIENCE')
    ... INSERT INTO Employee_info(Emp_Id, Emp_Name, Designation, Date_of_Joining, Salary,
Dept_Name)VALUES(121,'B','MANAGER','2024-04-20',10000,'HR')
    ... APPLY BATCH
    ... ;
SELECT * FROM Employee_info;

```
cqlsh:employee> SELECT * FROM Employee_info;

 emp_id | date_of_joining                 | dept_name    | designation | emp_name | salary
--------+---------------------------------+--------------+-------------+----------+--------
    111 | 2024-04-15 18:30:00.000000+0000 | DATA SCIENCE |     ANALYST |        A | 100000
    121 | 2024-04-19 18:30:00.000000+0000 |           HR |     MANAGER |        B |  10000
```

4. Update Employee name and Department of Emp-Id 121.
update Employee_info set Emp_name='x', Dept_Name='account' where Emp_Id=121;
cqlsh:employee> select * from Employee_info;

```
cqlsh:employee> update Employee_info set Emp_name='x', Dept_Name='account' where Emp_Id=121;
cqlsh:employee> select * from Employee_info;

 emp_id | date_of_joining                 | dept_name    | designation | emp_name | salary
--------+---------------------------------+--------------+-------------+----------+--------
    111 | 2024-04-15 18:30:00.000000+0000 | DATA SCIENCE |     ANALYST |        A | 100000
    121 | 2024-04-19 18:30:00.000000+0000 |      account |     MANAGER |        x |  10000
```