Lab program- Week 4
Perform the following DB operations using Cassandra.

1.Create a keyspace by name Employee

```
cqlsh> create keyspace Student with replication={'class':'SimpleStrategy','replication_factor':1};
cqlsh> describe keyspaces;
```

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

```
cqlsh> use Employee;
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

```
cqlsh:employee> BEGIN BATCH
            ... INSERT INTO Employee_info (Emp_Id, Emp_name, Designation, Date_of_joining, Salary, Dept_Name)
            ... VALUES (102, 'Jane Smith', 'HR Manager', '2021-12-15', 75000, 'Human Resources');
            ...
            ... INSERT INTO Employee_info (Emp_Id, Emp_name, Designation, Date_of_joining, Salary, Dept_Name)
            ... VALUES (121, 'Michael Johnson', 'Senior Software Engineer', '2022-02-10', 80000, 'Engineering');
            ... APPLY BATCH;
```

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

 emp_id | date_of_joining                 | dept_name       | designation              | emp_name        | salary
--------+---------------------------------+-----------------+--------------------------+-----------------+--------
    121 | 2022-02-09 18:30:00.000000+0000 |     Engineering | Senior Software Engineer | Michael Johnson |  80000
    102 | 2021-12-14 18:30:00.000000+0000 | Human Resources |               HR Manager |      Jane Smith |  75000
```

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

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

 emp_id | date_of_joining                 | dept_name       | designation              | emp_name     | salary
--------+---------------------------------+-----------------+--------------------------+--------------+--------
    111 |                            null |        security |                     null | Avani kamath |   null
    121 | 2022-02-09 18:30:00.000000+0000 |        security | Senior Software Engineer |      Avani k |  80000
    102 | 2021-12-14 18:30:00.000000+0000 | Human Resources |               HR Manager |   Jane Smith |  75000
```

5. Sort the details of Employee records based on salary