Lab program- Week 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 EmployeeInfo(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 employeeinfo (emp_id, date_of_joining, dept_name, designation,
emp_name, salary)
        ... values (121, '2024-03-25', 'KSC', 'Intern', 'Arvind', 0)
        ... insert into employeeinfo (emp_id, date_of_joining, dept_name, designation,
emp_name, salary)
        ... values (122, '2024-06-01', 'KSC', 'Intern', 'Aravind', 35000)
        ... apply batch;
```

```
 emp_id | date_of_joining                 | dept_name | designation | emp_name | salary
--------+---------------------------------+-----------+-------------+----------+--------
    122 | 2024-05-31 18:30:00.000000+0000 |       KSC |      Intern |  Aravind |  35000
    121 | 2024-03-24 18:30:00.000000+0000 |       KSC |      Intern |   Arvind |      0
```

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

```
update employeeinfo set emp_name='Arvind Ashok', dept_name='Security' where emp_id=121;
```

```
 emp_id | date_of_joining                 | dept_name | designation | emp_name     | salary
--------+---------------------------------+-----------+-------------+--------------+--------
    122 | 2024-05-31 18:30:00.000000+0000 |       KSC |      Intern |      Aravind |  35000
    121 | 2024-03-24 18:30:00.000000+0000 |  Security |      Intern | Arvind Ashok |      0
```

5. Sort the details of Employee records based on salary