**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

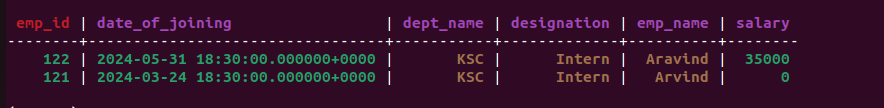
... insert into employeeinfo (emp\_id, date\_of\_joining, dept\_name, designation, emp\_name, salary)

... values (121, '2024-03-25', 'KSC', 'Intern', 'Anoshor', 0)

... insert into employeeinfo (emp\_id, date\_of\_joining, dept\_name, designation, emp\_name, salary)

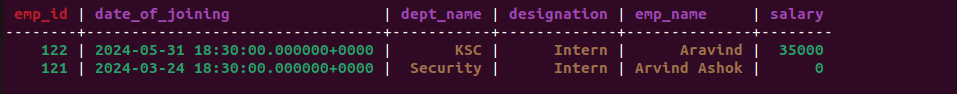
... values (122, '2024-06-01', 'KSC', 'Intern', 'Rahul', 35000)

... apply batch;



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

update employeeinfo set emp\_name='Blu is me', dept\_name='Security' where emp\_id=121;



**5. Sort the details of Employee records based on salary**