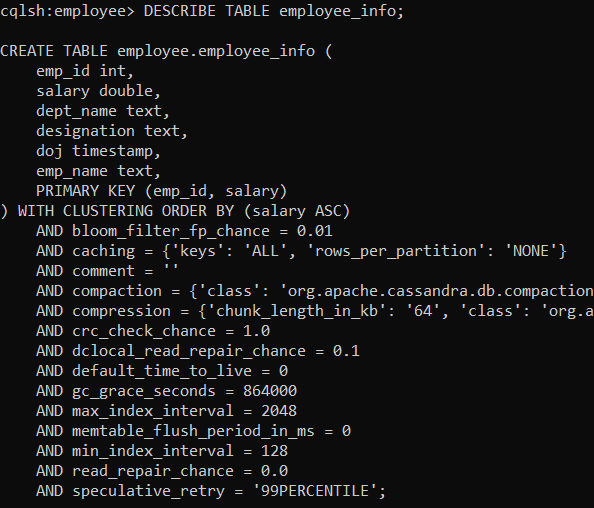
**Perform the following DB operations using Cassandra.**

1.Create a keyspace by name Employee

create keyspace employee with replication = {‘class':'SimpleStrategy' , 'replication\_factor' :1};  
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,emp\_name text, designation text, doj timestamp, salary double, dept\_name text, primary key(emp\_id,salary));



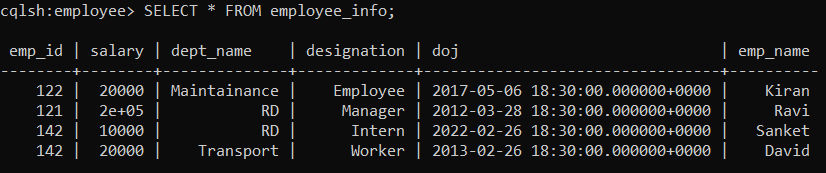
3. Insert the values into the table in batch

BEGIN BATCH

INSERT INTO employee\_info(emp\_id, emp\_name, designation, doj, salary, dept\_name) VALUES (121, 'Ravi', 'Manager', '2012-03-29', 200000, 'RD')

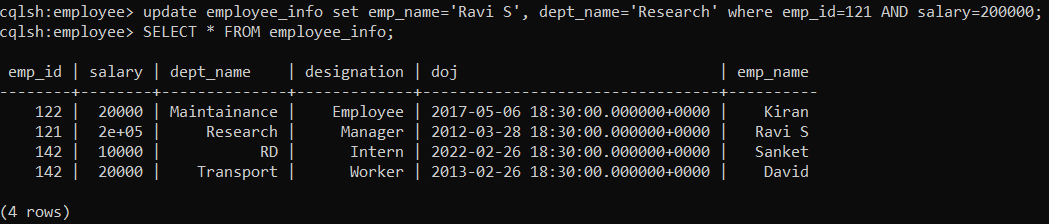
INSERT INTO employee\_info(emp\_id, emp\_name, designation, doj, salary, dept\_name) VALUES(122, 'David', 'Worker', '2013-02-27', 20000, 'Transport')

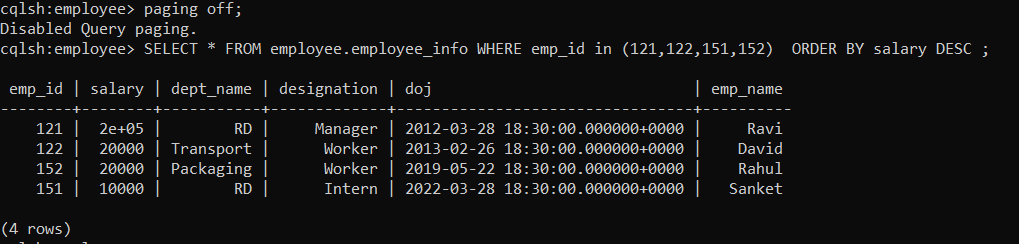
APPLY BATCH;



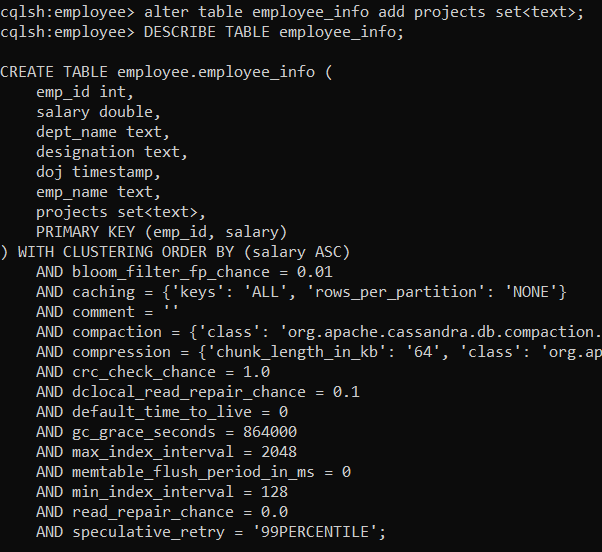
4. Update Employee name and Department of Emp-Id 121

update employee\_info set emp\_name='Ravi S', dept\_name='Research' where emp\_id=121 AND salary=200000;

  
5. Sort the details of Employee records based on salary

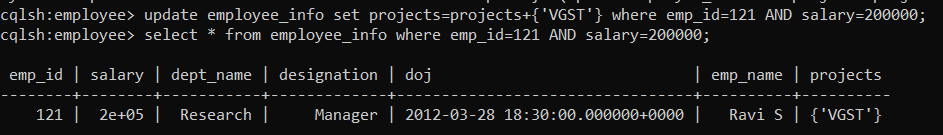


6. Alter the schema of the table Employee\_Info to add a column Projects which stores a set of Projects done by the corresponding Employee.



7. Update the altered table to add project names.

update employee\_info set projects=projects+{'VGST'} where emp\_id=121 AND salary=200000;

  
8.Create a TTL of 15 seconds to display the values of Employee

cqlsh:employee> INSERT INTO employee\_info(emp\_id, emp\_name, designation, doj, salary, dept\_name) VALUES(149, 'Saket', 'Developer', '2021-02-20', 100000, 'RD') USING TTL 15;

cqlsh:employee> select ttl(emp\_name) from employee\_info Where emp\_id=149;

