

## Employee Database

```
medha@medha-VirtualBox:~$ cqlsh
Connected to Test Cluster at 127.0.0.1:9042
[cqlsh 6.0.0 | Cassandra 4.0.4 | CQL spec 3.4.5 | Native protocol v5]
Use HELP for help.
cqlsh> describe keyspaces

system      system_distributed  system_traces  system_virtual_schema
system_auth system_schema      system_views

cqlsh> create keyspace Employee with replication = {
... 'class': 'SimpleStrategy',
... 'replication_factor': 1
... };
cqlsh> use Employee
... ;
cqlsh:employee> create table Employee_Info(
... empid primary key,
... empname
cqlsh:employee> create table Employee_Info(
... empid int primary key,
... empname text,
... designation text,
... doj timestamp,
... salary int,
... deptname text);
cqlsh:employee> describe tables

employee_info

cqlsh:employee> select * from employee_info
... ;

empid | deptname | designation | doj | empname | salary
-----+-----+-----+-----+-----+-----
(0 rows)
cqlsh:employee> begin batch
... insert into employee_info(empid, empname, designation, doj, salary, deptname) values (1, 'Medha', 'sde', '2022-10-24', 50000, 'at')
... apply batch;
cqlsh:employee> select * from employee_info ;

empid | deptname | designation | doj | empname | salary
-----+-----+-----+-----+-----+-----
1 | at | sde | 2022-10-23 18:30:00.000000+0000 | Medha | 50000

(1 rows)
cqlsh:employee> insert into employee_info(empid, empname, designation, doj, salary, deptname) values (121, 'Smruthi', 'researcher', '2022-06-14', 55000, 'at');
cqlsh:employee> select * from employee_info ;

empid | deptname | designation | doj | empname | salary
-----+-----+-----+-----+-----+-----
1 | at | sde | 2022-10-23 18:30:00.000000+0000 | Medha | 50000
121 | at | researcher | 2022-06-13 18:30:00.000000+0000 | Smruthi | 55000

cqlsh:employee> update employee_info set empname='Smruthi M', designation='research' where empid=121;
cqlsh:employee> select * from employee_info ;

empid | deptname | designation | doj | empname | salary
-----+-----+-----+-----+-----+-----
1 | at | sde | 2022-10-23 18:30:00.000000+0000 | Medha | 50000
121 | at | research | 2022-06-13 18:30:00.000000+0000 | Smruthi M | 55000

(2 rows)
cqlsh:employee> select * from employee_info order by deptname asc;
InvalidRequest: Error from server: code=2200 [Invalid query] message="ORDER BY is only supported when the partition key is restricted by an EQ or an IN."
cqlsh:employee> alter table employee_info
... add projects list<text>;
cqlsh:employee> select * from employee_info;

empid | deptname | designation | doj | empname | projects | salary
-----+-----+-----+-----+-----+-----+-----
1 | at | sde | 2022-10-23 18:30:00.000000+0000 | Medha | null | 50000
121 | at | research | 2022-06-13 18:30:00.000000+0000 | Smruthi M | null | 55000

(2 rows)
cqlsh:employee> update employee_info set projects = ['bmsce collab'] where empid=1;
cqlsh:employee> select * from employee_info;

empid | deptname | designation | doj | empname | projects | salary
-----+-----+-----+-----+-----+-----+-----
1 | at | sde | 2022-10-23 18:30:00.000000+0000 | Medha | ['bmsce collab'] | 50000
121 | at | research | 2022-06-13 18:30:00.000000+0000 | Smruthi M | null | 55000

(2 rows)
cqlsh:employee> select * from employee_info with ttl 15;
SyntaxException: line 1:28 mismatched input 'with' expecting EOF (select * from employee_info [with] ttl...)
cqlsh:employee> select ttl(empname) from employee_info where empid=1;

ttl(empname)
-----
null

(1 rows)
cqlsh:employee> insert into employee_info(empid, empname, designation, doj, salary, deptname) values (2, 'test', 'help', '2022-06-17', 5500, 'gen') using ttl 100;
cqlsh:employee> select ttl(empname) from employee_info where empid=2;

ttl(empname)
-----
95

(1 rows)
cqlsh:employee> select ttl(empname) from employee_info where empid=2;

ttl(empname)
-----
89
```