

### 1. Create a key space by name Employee

```
cqlsh> create keyspace LAB1_Employee with replication = { 'class':'SimpleStrategy','replication_factor':1};
cqlsh> use LAB1_Employee;
cqlsh:lab1_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

```
cqlsh:lab1_employee> create table Employee_info(Emp_id int ,Emp_name text ,Designation text ,Date_of_joining timestamp,Salary double,Dept_name text,primary key(Emp_id));
cqlsh:lab1_employee> |
```

### 3. Insert the values into the table in batch

```
cqlsh:lab1_employee> begin batch insert into employee_info(Emp_id,Emp_name,Designation,Date_of_joining,Salary,Dept_name)values(11,'Pankaj','Senior_Developer','2022-05-12',4500000,'Developing') insert into employee_info(Emp_id,Emp_name,Designation,Date_of_joining,Salary,Dept_name)values(12,'Preetham','Manager','2022-05-13',6500000,'Developing') insert into employee_info(Emp_id,Emp_name,Designation,Date_of_joining,Salary,Dept_name)values(13,'Prithvi','CEO','2012-05-13',8500000,'Overall') apply batch;
cqlsh:lab1_employee> select * from employee_info;
```

emp_id	date_of_joining	dept_name	designation	emp_name	salary
13	2012-05-12 18:30:00.000000+0000	Overall	CEO	Prithvi	8.5e+06
11	2022-05-11 18:30:00.000000+0000	Developing	Senior_Developer	Pankaj	4.5e+06
12	2022-05-12 18:30:00.000000+0000	Developing	Manager	Preetham	6.5e+06

(3 rows)  
cqlsh:lab1\_employee> |

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

```
cqlsh:lab1_employee> update employee_info set Emp_name='Puneeth' ,Dept_name='Sales' where Emp_id=13;
cqlsh:lab1_employee> select * from employee_info;
```

emp_id	date_of_joining	dept_name	designation	emp_name	salary
13	2012-05-12 18:30:00.000000+0000	Sales	CEO	Puneeth	8.5e+06
11	2022-05-11 18:30:00.000000+0000	Developing	Senior_Developer	Pankaj	4.5e+06
12	2022-05-12 18:30:00.000000+0000	Developing	Manager	Preetham	6.5e+06

(3 rows)

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

```
cqlsh:lab1_employee> begin batch
... insert into emp(id,salary,name)values(5,45000,'Pankaj')
... insert into emp(id,salary,name)values(7,455000,'Preetham')
... insert into emp(id,salary,name)values(9,55000,'ram')
... apply batch;
cqlsh:lab1_employee> select * from emp;
```

id	salary	name
5	45000	Pankaj
7	4.55e+05	Preetham
9	55000	ram

(3 rows)

```
cqlsh:lab1_employee> paging off;
```

Disabled Query paging.

```
cqlsh:lab1_employee> select * from emp where id in (5,7,9) order by salary;
```

id	salary	name
5	45000	Pankaj
9	55000	ram
7	4.55e+05	Preetham

(3 rows)

## 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.

```
cqlsh:lab1_employee> alter table employee_info add projects text;
cqlsh:lab1_employee> select * from employee_info;
```

emp_id	date_of_joining	dept_name	designation	emp_name	projects	salary
13	2012-05-12 18:30:00.000000+0000	Sales	CEO	Puneeth	null	8.5e+06
11	2022-05-11 18:30:00.000000+0000	Developing	Senior_Developer	Pankaj	null	4.5e+06
12	2022-05-12 18:30:00.000000+0000	Developing	Manager	Preetham	null	6.5e+06

(3 rows)

## 7. Update the altered table to add project names.

```
cqlsh:lab1_employee> update Employee_info set projects='Kubernetes' where Emp_id=11;
cqlsh:lab1_employee> update Employee_info set projects='node_js' where Emp_id=12;
cqlsh:lab1_employee> update Employee_info set projects='Mobile_app' where Emp_id=13;
cqlsh:lab1_employee> select * from employee_info;
```

emp_id	date_of_joining	dept_name	designation	emp_name	projects	salary
13	2012-05-12 18:30:00.000000+0000	Sales	CEO	Puneeth	Mobile_app	8.5e+06
11	2022-05-11 18:30:00.000000+0000	Developing	Senior_Developer	Pankaj	Kubernetes	4.5e+06
12	2022-05-12 18:30:00.000000+0000	Developing	Manager	Preetham	node_js	6.5e+06

(3 rows)

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

```
cqlsh:lab1_employee> insert into Employee_info (Emp_id,Emp_name,Designation,Date_of_joining,Salary,Dept_name)values(19,'Prithvi','Senior_Developer','2022-08-12',400000,'Developing') using TTL 50;
cqlsh:lab1_employee> select TTL(emp_name) from Employee_info where Emp_id=19;
```

```
ttl(emp_name)
-----
45
```