```
bmscecse@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ cqlsh
Connected to Test Cluster at 127.0.0.1:9042
[cqlsh 6.1.0 | Cassandra 4.1.8 | CQL spec 3.4.6 | Native protocol v5]
Use HELP for help.
cqlsh> CREATE KEYSPACE Employee2
   ... WITH replication = {
   ...   'class': 'SimpleStrategy',
   ...   'replication_factor': 1
   ... };
cqlsh>
cqlsh> USE Employee2 ;
cqlsh:employee2> CREATE TABLE Employee_Info (
            ...   Emp_Id int PRIMARY KEY,
            ...   Emp_Name text,
            ...   Designation text,
            ...   Date_of_Joining date,
            ...   Salary decimal,
            ...   Dept_Name text
            ... );
cqlsh:employee2> BEGIN BATCH
            ... INSERT INTO Employee_Info (Emp_Id, Emp_Name, Designation, Date_of_Joining, S
alary, Dept_Name)
            ... VALUES (121, 'Alice', 'Engineer', '2020-03-01', 60000.00, 'IT');
            ...
            ... INSERT INTO Employee_Info (Emp_Id, Emp_Name, Designation, Date_of_Joining, S
alary, Dept_Name)
            ... VALUES (122, 'Bob', 'Manager', '2019-06-15', 75000.00, 'HR');
            ...
            ... INSERT INTO Employee_Info (Emp_Id, Emp_Name, Designation, Date_of_Joining, S
alary, Dept_Name)
            ... VALUES (123, 'Charlie', 'Analyst', '2021-01-10', 50000.00, 'Finance');
            ... APPLY BATCH;
cqlsh:employee2> UPDATE Employee_Info
            ... SET Emp_Name = 'Alicia', Dept_Name = 'Research'
            ... WHERE Emp_Id = 121;
cqlsh:employee2> CREATE TABLE Employee_Salary_Sorted (
            ...   Dept_Name text,
            ...   Salary decimal,
            ...   Emp_Id int,
            ...   Emp_Name text,
            ...   Designation text,
            ...   Date_of_Joining date,
            ...   PRIMARY KEY (Dept_Name, Salary)
            ... ) WITH CLUSTERING ORDER BY (Salary DESC);
cqlsh:employee2> ALTER TABLE Employee_Info
            ... ADD Projects set<text>;
cqlsh:employee2> UPDATE Employee_Info
            ... SET Projects = {'Project A', 'Project B'}
            ... WHERE Emp_Id = 121;
cqlsh:employee2> UPDATE Employee_Info
            ... SET Projects = {'Project C'}
            ... WHERE Emp_Id = 122;
cqlsh:employee2> UPDATE Employee_Info
```

```
cqlsh:employee2> UPDATE Employee_Info
            ... USING TTL 15
            ... SET Emp_Name = 'Temporary', Dept_Name = 'Temp'
            ... WHERE Emp_Id = 124;
cqlsh:employee2> INSERT INTO Employee_Info (Emp_Id, Emp_Name, Designation, Date_of_Joining, S
alary, Dept_Name)
            ... VALUES (124, 'TempUser', 'Intern', '2025-04-08', 30000.00, 'TempDept')
            ... USING TTL 15;
cqlsh:employee2> SELECT * FROM Employee_Info;

 emp_id | date_of_joining | dept_name | designation | emp_name | projects                    |
 salary
--------+-----------------+-----------+-------------+----------+-----------------------------+
----------
    123 |      2021-01-10 |   Finance |     Analyst |  Charlie |                        null |
50000.00
    122 |      2019-06-15 |        HR |     Manager |      Bob |                {'Project C'} |
75000.00
    121 |      2020-03-01 |  Research |    Engineer |   Alicia | {'Project A', 'Project B'} |
60000.00

(3 rows)
cqlsh:employee2>
```