```
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 4.1.4 | CQL spec 3.4.6 | Native protocol v5]
Use HELP for help.
cqlsh> CREATE KEYSPACE Employee WITH REPLICATION = {'class': 'SimpleStrategy','
replication-factor': 1};
AlreadyExists: Keyspace 'employee' already exists
cqlsh> DESCRIBE Employee
CREATE KEYSPACE employee WITH replication = {'class': 'SimpleStrategy', 'replication factor':
'3'} AND durable writes = true;
CREATE TABLE employee.employeeinfo (
       id int PRIMARY KEY,
       dept name text.
       designation text,
       doj timestamp,
       name text.
       salary double
cqlsh> DESCRIBE Keyspaces;
employee system auth
                            system schema system views
system system distributed system traces system virtual schema
cqlsh:employee> describe tables;
employeeinfo
cqlsh:employee> select * from employeeinfo;
id | dept name | designation | doj
                                                               | salary
                                                 name
122 I
             DL I
                     Manager | 2024-03-31 18:30:00.000000+0000 |
                                                                      Dhruv I100
                     Intern | 2024-02-29 18:30:00.000000+0000 | Dhruva S |
121 |
             DL |
(2 rows)
cqlsh:employee> BEGIN BATCH INSERT INTO employeeinfo(id, dept_name, designation, doj,
name, salary) VALUES(1, 'ML', 'Intern', '2024-05-05', 'Heena', 1000) INSERT INTO
employeeinfo(id, dept_name, designation, doj, name, salary)
VALUES(2,'ML','Intern','2024-05-06','Neha', 2000)INSERT INTO employeeinfo(id, dept_name,
designation, doj, name, salary) VALUES(3, 'DL', 'Intern', '2024-05-05', 'Surya', 1000) APPLY
BATCH;
```

cqlsh:employee> select \* from employeeinfo;

```
id | dept name | designation | doj
                                         name
                                                    l salary
Intern | 2024-05-04 18:30:00.000000+0000 | Heena | 1000
                 Manager | 2024-03-31 18:30:00.000000+0000 |
122 |
                                                           Dhruv | 100
           DL |
 2 |
           Intern | 2024-05-05 18:30:00.000000+0000 |
                                                    Neha | 2000
     ML |
121 |
           DL | Intern | 2024-02-29 18:30:00.000000+0000 | Dhruva S |
 3 |
     DL I
           Intern | 2024-05-04 18:30:00.000000+0000 | Surya | 1000
```

## (5 rows)

cqlsh:employee> UPDATE employeeinfo SET name ='Ria', dept\_name = 'ML' WHERE id=121; cqlsh:employee> select \* from employeeinfo;

id   dept_na	me   designation   doj	name   salary	
+	+	++	
1  ML	Intern   2024-05-04 18:30:00.	000000+0000   Heena   1000	
122	DL   Manager   2024-03-31	18:30:00.000000+0000   Dhruv	100
2  ML	Intern   2024-05-05 18:30:00.	000000+0000   Neha   2000	
121	ML   Intern   2024-02-29 18	3:30:00.000000+0000   Ria	0
3  DL	Intern   2024-05-04 18:30:00.	000000+0000   Surya   1000	

## (5 rows)

cqlsh:employee> ALTER TABLE employeeinfo ADD Projects text; cqlsh:employee> select \* from employeeinfo;

id   dept_nar	ne   designation   doj	name   projects   salary		
+	+	+		
1  ML	Intern   2024-05-04 18:30:00.000	0000+0000   Heena   null	1000	
122	DL   Manager   2024-03-31 18	3:30:00.000000+0000   Dhruv	null	100
2  ML	Intern   2024-05-05 18:30:00.000	0000+0000   Neha   null	2000	
121	ML   Intern   2024-02-29 18:30	0:00.000000+0000   Ria   null	0	
3  DL	Intern   2024-05-04 18:30:00.000	0000+0000   Surya   null	1000	

## (5 rows)

cqlsh:employee> BATCH BEGIN INSERT INTO employeeinfo(id,Projects) VALUES (1,APP DEV)INSERT INTO employeeinfo(id,Projects) VALUES (122,WEB DEV)INSERT INTO employeeinfo(id,Projects) VALUES (2,JAVA BACKEND) APPLY BATCH; SyntaxException: line 1:0 no viable alternative at input 'BATCH' ([BATCH]...) cqlsh:employee> BATCH BEGIN INSERT INTO employeeinfo(id,projects) VALUES (1,APP DEV)INSERT INTO employeeinfo(id,projects) VALUES (122,WEB DEV)INSERT INTO employeeinfo(id,projects) VALUES (2,JAVA BACKEND) APPLY BATCH; SyntaxException: line 1:0 no viable alternative at input 'BATCH' ([BATCH]...)

cqlsh:employee> BEGIN BATCH INSERT INTO employeeinfo(id,projects) VALUES (1,APP DEV)INSERT INTO employeeinfo(id,projects) VALUES (122,WEB DEV)INSERT INTO employeeinfo(id,projects) VALUES (2,JAVA BACKEND) APPLY BATCH;

cqlsh:employee> BEGIN BATCH INSERT INTO employeeinfo(id,projects) VALUES (1,'APP DEV')INSERT INTO employeeinfo(id,projects) VALUES (122,'WEB DEV')INSERT INTO employeeinfo(id,projects) VALUES (2,'JAVA BACKEND') APPLY BATCH;

cqlsh:employee> select \* from employeeinfo;

```
id | dept_name | designation | doi
                                        | name | projects
                                                          I salary
Intern | 2024-05-04 18:30:00.000000+0000 | Heena |
                                                          APP DEV | 1000
 1 |
                 Manager | 2024-03-31 18:30:00.000000+0000 | Dhruv |
122 |
                                                               WEB DEV |
100
 2 |
           Intern | 2024-05-05 18:30:00.000000+0000 | Neha | JAVA BACKEND | 2000
     ML I
121 |
           ML | Intern | 2024-02-29 18:30:00.000000+0000 | Ria |
                                                                null |
           Intern | 2024-05-04 18:30:00.000000+0000 | Surya |
 3 |
     DL I
                                                          null | 1000
```

(5 rows)

cqlsh:employee> BEGIN BATCH INSERT INTO employeeinfo(id,projects) VALUES (3,'research')INSERT INTO employeeinfo(id,projects) VALUES (121,'ux/ui') APPLY BATCH;

cqlsh:employee> select \* from employeeinfo;

```
id | dept name | designation | doj
                                               | name | projects
                                                                   I salary
                                                                   APP DEV | 1000
      ML | Intern | 2024-05-04 18:30:00.000000+0000 | Heena |
 1 |
122 I
             DL | Manager | 2024-03-31 18:30:00.000000+0000 | Dhruv | WEB DEV |
100
             Intern | 2024-05-05 18:30:00.00000+0000 | Neha | JAVA BACKEND | 2000
 2 |
      ML I
121 |
             ML | Intern | 2024-02-29 18:30:00.000000+0000 | Ria |
                                                                          ux/ui | 0
                                                                   research | 1000
 3 |
      DL |
             Intern | 2024-05-04 18:30:00.000000+0000 | Surya |
```

(5 rows)

cqlsh:employee> select \* from employeeinfo ORDER BY salary ASC;

cglsh:employee>

1	ML	Intern	2024-05-04 18:30:00.000000+0000	Heena	APP DEV	1000
122	DL	Manager	2024-03-31 18:30:00.000000+0000	Dhruv	WEB DEV	100
2	ML	Intern	2024-05-05 18:30:00.000000+0000	Neha	JAVA BACKEND	2000
121	ML	Intern	2024-02-29 18:30:00.000000+0000	Ria	null	0
3	DL	Intern	2024-05-04 18:30:00.000000+0000	Surya	null	1000
qlsh: loyee qlsh:	:employee> B einfo(id,pro :employee> s	jects) VALUES elect * from e				
qlsh: loyee qlsh:	:employee> B einfo(id,pro :employee> s	jects) VALUES	(121,'ux/ui') APPLY BATCH; mployeeinfo;		(3,'research')I	NSERT IN
loyee qlsh:	<pre>:employee&gt; B einfo(id,pro :employee&gt; s   dept_name +</pre>	jects) VALUES elect * from e   designation +	(121,'ux/ui') APPLY BATCH; mployeeinfo;	name	projects	
qlsh: loyee qlsh: id	:employee> B einfo(id,pro :employee> s   dept_name +	jects) VALUES elect * from e   designation +	(121,'ux/ui') APPLY BATCH; mployeeinfo;   doj +	name	projects   APP DEV	salary
qlsh: loyee qlsh: id   	:employee> B einfo(id,pro :employee> s   dept_name +	jects) VALUES elect * from e   designation +	(121,'ux/ui') APPLY BATCH; mployeeinfo;   doj   2024-05-04 18:30:00.000000+0000	name   Heena   Dhruv	projects   APP DEV   WEB DEV	salary 
qlsh: loyee qlsh: id    1   122	:employee> B einfo(id,pro :employee> s   dept_name +	jects) VALUES elect * from e   designation +	(121,'ux/ui') APPLY BATCH; mployeeinfo;   doj +	name   Heena   Dhruv   Neha	projects   APP DEV   WEB DEV   JAVA BACKEND	salary   1000   100

