

Creating keyspace:

```
Your Interactive Bash Terminal.
$ cqlsh
Connected to Test Cluster at 127.0.0.1:9042.
[cqlsh 5.0.1 | Cassandra 4.0-beta2 | CQL spec 3.4.5 | Native protocol v4]
Use HELP for help.
cqlsh>
cqlsh>
cqlsh> create keyspace employee with replication = {'class':'SimpleStrategy','replication_factor':1};
```

Use:

```
cqlsh> use employee;
```

insert:

```
cqlsh:employee> create table employee1_info (emp_id int primary key, emp_name text, designation text, doj timestamp, salary int, dept_name text);
cqlsh:employee> begin batch
... insert into employee1_info (emp_id, emp_name, designation, doj, salary, dept_name) values (12, 'Soundarya', 'manager', '2010-03-12', 1100000, 'dev')
... insert into employee1_info (emp_id, emp_name, designation, doj, salary, dept_name) values (13, 'michael scott', 'regional manager', '2010-03-12', 100000, 'dev')
... insert into employee1_info (emp_id, emp_name, designation, doj, salary, dept_name) values (14, 'dwright k schrute', 'asst regional manager', '2000-03-12', 100000, 'testing')
... insert into employee1_info (emp_id, emp_name, designation, doj, salary, dept_name) values (15, 'kevin', 'acct', '2000-03-12', 100000, 'accounting')
... apply batch;
cqlsh:employee> select * from employee1_info;
```

emp_id	dept_name	designation	doj	emp_name	salary
13	testing	regional manager	2010-03-12 00:00:00.000000+0000	michael scott	100000
14	accounting	acct	2000-03-12 00:00:00.000000+0000	kevin	100000
12	dev	manager	2010-03-12 00:00:00.000000+0000	Soundarya	1100000

```
cqlsh:employee> begin batch insert into employee1_info (emp_id, emp_name, designation, doj, salary, dept_name) values (15, 'kevin', 'accounting', '2000-03-13', 100000, 'accounting') apply batch;
> select * from employee1_info;
```

emp_id	dept_name	designation	doj	emp_name	salary
13	testing	regional manager	2010-03-12 00:00:00.000000+0000	michael scott	100000
15	accounting	accounting	2000-03-13 00:00:00.000000+0000	kevin	100000
14	testing	asst regional manager	2000-03-12 00:00:00.000000+0000	dwright k schrute	100000
12	dev	manager	2010-03-12 00:00:00.000000+0000	Soundarya	1100000

(4 rows)

```
cqlsh:employee> update employee1_info set emp_name='soundarya lakshmi', designation='developer' where emp_id= 12;
cqlsh:employee> select * from employee1_info;
```

emp_id	dept_name	designation	doj	emp_name	salary
13	testing	regional manager	2010-03-12 00:00:00.000000+0000	michael scott	100000
15	accounting	accounting	2000-03-13 00:00:00.000000+0000	kevin	100000
14	testing	asst regional manager	2000-03-12 00:00:00.000000+0000	dwright k schrute	100000
12	dev	developer	2010-03-12 00:00:00.000000+0000	soundarya lakshmi	1100000

Alter:

```
cqlsh:employee> alter table employee1_info add projects set<text>;
cqlsh:employee> update employee1_info set projects={'library project','car project'} where emp_id=12;
cqlsh:employee> select * from employee1_info;
```

emp_id	dept_name	designation	doj	emp_name	projects	salary
13	testing	regional manager	2010-03-12 00:00:00.000000+0000	michael scott	null	100000
15	accounting	accounting	2000-03-13 00:00:00.000000+0000	kevin	null	100000
14	testing	asst regional manager	2000-03-12 00:00:00.000000+0000	dwright k schrute	null	100000
12	dev	developer	2010-03-12 00:00:00.000000+0000	soundarya lakshmi	{'car project', 'library project'}	1100000

(4 rows)