Name	: Rajkumar B L
Reg.No	: 2047120
Course	: MCS NoSQL (LAB 05)

Cassandra CRUD Operations:

Keyspace

```
Terminal    +                                        📢 ✕ ⚙

cqlsh> CREATE KEYSPACE CRS
   ... WITH replication = {'class':'SimpleStrategy', 'replication_factor' : 3};
cqlsh> USE CRS;
cqlsh:crs> █
```

Create:

```
Terminal    +                                        📢 ✕ ⚙

cqlsh:crs> CREATE TABLE Members(id int PRIMARY KEY, Name text, Age int, Occupation text);
cqlsh:crs> desc tables

members

cqlsh:crs> select * from members;

 id | age | name | occupation
----+-----+------+-------------

(0 rows)
cqlsh:crs> █
```

```
Terminal    +                                        📢 ✕ ⚙

cqlsh:crs> insert into members (id,Name,Age,Occupation) values (1,'Raj',21,'Student');
cqlsh:crs> insert into members (id,Name,Age,Occupation) values (2,'Hareesma',22,'Doctor');
cqlsh:crs> insert into members (id,Name,Age,Occupation) values (3,'Rohin',23,'Engineer');
cqlsh:crs> insert into members (id,Name,Age,Occupation) values (4,'Deepak',24,'Student');
cqlsh:crs> insert into members (id,Name,Age,Occupation) values (5,'Rahul',24,'Student');
cqlsh:crs> Select * from members;

 id | age | name     | occupation
----+-----+----------+-------------
  5 |  24 |    Rahul |    Student
  1 |  21 |      Raj |    Student
  2 |  22 | Hareesma |     Doctor
  4 |  24 |   Deepak |    Student
  3 |  23 |    Rohin |   Engineer

(5 rows)
cqlsh:crs> █
```

Read:

```
Terminal  +                                          ◈ ⤢ ⚙

cqlsh:crs> select id,name from members;

 id | name
----+----------
  5 |    Rahul
  1 |      Raj
  2 | Hareesma
  4 |   Deepak
  3 |    Rohin

(5 rows)
cqlsh:crs> █
```

```
Terminal  +                                          ◈ ⤢ ⚙

cqlsh:crs> select * from Members where Occupation='Student' ALLOW FILTERING;

 id | age | name     | occupation
----+-----+----------+------------
  5 |  24 |   Rahul  |    Student
  1 |  21 |     Raj  |    Student
  4 |  24 |  Deepak  |    Student

(3 rows)
cqlsh:crs>
```

```
Terminal  +                                          ◈ ⤢ ⚙

cqlsh:crs> select * from Members where Occupation='Student' and Age=24 ALLOW FILTERING;

 id | age | name     | occupation
----+-----+----------+------------
  5 |  24 |   Rahul  |    Student
  4 |  24 |  Deepak  |    Student

(2 rows)
cqlsh:crs> █
```

Update:

```
Terminal  +                                                          📢 ⤢ ⚙

cqlsh:crs> UPDATE members SET age=18 WHERE id=1;
cqlsh:crs> Select * from members;

 id | age | name      | occupation
----+-----+-----------+------------
  5 |  24 |     Rahul |    Student
  1 |  18 |       Raj |    Student
  2 |  22 |  Hareesma |     Doctor
  4 |  24 |    Deepak |    Student
  3 |  23 |     Rohin |   Engineer

(5 rows)
cqlsh:crs> █
```

```
Terminal  +                                                          📢 ⤢ ⚙

cqlsh:crs> select * from members;

 id | age | name      | occupation
----+-----+-----------+------------
  5 |  24 |     Rahul |    Student
  1 |  21 |       Raj |    Student
  2 |  22 |  Hareesma |     Doctor
  4 |  24 |    Deepak |    Student
  3 |  23 |     Rohin |   Engineer

(5 rows)
cqlsh:crs> UPDATE members SET Age=20,Occupation='Student'
       ... WHERE id=3;
cqlsh:crs> select * from members;

 id | age | name      | occupation
----+-----+-----------+------------
  5 |  24 |     Rahul |    Student
  1 |  21 |       Raj |    Student
  2 |  22 |  Hareesma |     Doctor
  4 |  24 |    Deepak |    Student
  3 |  20 |     Rohin |    Student

(5 rows)
```

Delete:

```
cqlsh:crs> DELETE FROM members WHERE id=3;
cqlsh:crs> Select * from members;

 id | age | name     | occupation
----+-----+----------+------------
  5 |  24 |    Rahul |    Student
  1 |  18 |      Raj |    Student
  2 |  22 | Hareesma |     Doctor
  4 |  24 |   Deepak |    Student

(4 rows)
```