

1. Create a keyspace.

```
cqlsh> create keyspace proj3 with replication = {'class': 'SimpleStrategy', 'replication_factor':1};  
cqlsh> █
```

This creates a keyspace which is the NoSQL equivalent of a database or a collection in MongoDB.

2. Use a keyspace.

```
[cqlsh> use proj3;  
cqlsh:proj3> █
```

After creating the keyspace you can select that keyspace.

3. Describe a keyspaces.

```
[cqlsh:proj3> describe keyspaces;  
  
proj3  system_schema  system_auth  system  system_distributed  system_traces  
  
cqlsh:proj3> █
```

This will list all keyspaces in Cassandra.

4. Create and describe a table/column family.

```
[cqlsh:proj3> create table proj3.info(  
[      ... email_id text primary key,  
[      ... first_name text,  
[      ... last_name text,  
[      ... object_id uuid,  
[      ... phone_no text);  
cqlsh:proj3> █
```

Create a table within the proj3 keyspace and define fields in that table just like with sql.

```
[cqlsh:proj3> describe tables;  
  
info  
  
cqlsh:proj3> █
```

This will list all tables within the current keyspace.

5. Insert Command.

```
cqlsh:proj3> insert into proj3.info(email_id, first_name, last_name, object_id, phone_no) values('ajay.kedia@colorado.edu', 'Ajay', 'Kedia', d0b941ea-1efd-365e-a4fb-4c9de7396840, '7202031694');
cqlsh:proj3> █
```

Insert a row into the user table.

6. Create an index.

```
[cqlsh:proj3> create index if not exists index_name on proj3.info(phone_no);
cqlsh:proj3> █
```

Create an index to put on the `phone_no` column in the info table.

7. Update a row in the table.

```
[cqlsh:proj3> update proj3.info set first_name='diff_name' where email_id='ajay.kedia@colorado.edu';
cqlsh:proj3> █
```

8. Add/Drop/Rename a column in a table.

```
[cqlsh:proj3> alter table proj3.info add dob text;
[cqlsh:proj3> alter table proj3.info drop dob;
[cqlsh:proj3> alter table proj3.info rename email_id to emailID;
cqlsh:proj3> █
```

9. Run a select query.

```
[cqlsh:proj3> select * from proj3.info;

emailid | first_name | last_name | object_id | phone_no
-----+-----+-----+-----+-----
ajay.kedia@colorado.edu | diff_name | Kedia | d0b941ea-1efd-365e-a4fb-4c9de7396840 | 7202031694

(1 rows)
cqlsh:proj3> █
```

10. Drop a table and a keyspace.

```
[cqlsh:proj3> drop table proj3.info;
[cqlsh:proj3> drop keyspace info;
ConfigurationException: Cannot drop non existing keyspace 'info'.
[cqlsh:proj3> drop keyspace proj3;
cqlsh:proj3> █
```