

CSCI3287 - PARADISE - PROJ3 - JASON LUBRANO

1. Create a keyspace

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

2. Use a keyspace

```
cqlsh> USE sample_keyspace ;
```

3. Describe keyspaces

```
cqlsh> USE sample_keyspace ;
cqlsh:sample_keyspace> describe KEYSPACES;

sample_keyspace  system_auth  system_distributed
system_schema    system      system_traces

cqlsh:sample_keyspace> CREATE TABLE sample_keyspace.user_info(
... email_id text PRIMARY KEY ,
... first_name text ,
... last_name text ,
... object_id uuid ,
... phone_no text );
cqlsh:sample_keyspace> describe tables

user_info
```

4. Create and describe a table

```
cqlsh:sample_keyspace> describe sample_keyspace;

CREATE KEYSPACE sample_keyspace WITH replication = {'class': 'SimpleStrategy', 'replication_factor': '1'} AND durable_writes = true;

CREATE TABLE sample_keyspace.user_info (
  email_id text PRIMARY KEY,
  first_name text,
  last_name text,
  object_id uuid,
  phone_no text
) WITH bloom_filter_fp_chance = 0.01
AND caching = {'keys': 'ALL', 'rows_per_partition': 'NONE'}
AND comment = ''
AND compaction = {'class': 'org.apache.cassandra.db.compaction.SizeTieredCompactionStrategy', 'max_threshold': '32', 'min_threshold': '4'}
AND compression = {'chunk_length_in_kb': '64', 'class': 'org.apache.cassandra.io.compress.LZ4Compressor'}
AND crc_check_chance = 1.0
AND dclocal_read_repair_chance = 0.1
AND default_time_to_live = 0
AND gc_grace_seconds = 864000
AND max_index_interval = 2048
AND memtable_flush_period_in_ms = 0
AND min_index_interval = 128
AND read_repair_chance = 0.0
AND speculative_retry = '99PERCENTILE';
```

5. Insert a new row

```
ea-1efd-365e-a4fb-4c9de7396840) for "object_id" of type uuid"
cqlsh:sample_keyspace> INSERT INTO sample_keyspace.user_info(email_id, first_name, last_name, object_id, phone_no) values('jalu7098@colorado.edu', 'Jason', 'Lubrano', d0b941ea-1efd-365e-a4fb-4c9de7396840, '2256238965');
cqlsh:sample_keyspace>
```

6. Create an index

```
pace.user_info ([ '2256238965']...)
cqlsh:sample_keyspace> CREATE INDEX IF NOT EXISTS index_name ON sample_keyspace.user_info (phone_no);
cqlsh:sample_keyspace>
```

7. Update a value

```
cqlsh:sample_keyspace> UPDATE sample_keyspace.user_info SET first_name = 'JasOn' WHERE email_id = 'jalu7098@colorado.edu';
cqlsh:sample_keyspace>
```

8. add/drop/rename a column

```
lu7098@colorado.edu';  
cqlsh:sample_keyspace> ALTER TABLE sample_keyspace.user_info ADD dob text ;  
cqlsh:sample_keyspace> ALTER TABLE sample_keyspace.user_info drop dob ;  
cqlsh:sample_keyspace> ALTER TABLE sample_keyspace.user_info RENAME email_id TO emailID ;  
cqlsh:sample_keyspace> █
```

9. Run a select query

```
cqlsh:sample_keyspace> SELECT * FROM sample_keyspace.user_info ;  
  
emailid | first_name | last_name | object_id | phone_no  
-----+-----+-----+-----+-----  
jalu7098@colorado.edu | Jason | Lubrano | d0b941ea-1efd-365e-a4fb-4c9de7396840 | 2256238965  
  
(1 rows)  
cqlsh:sample_keyspace> █
```

10. Drop table and drop keyspace

```
(1 rows)  
cqlsh:sample_keyspace> DROP TABLE sample_keyspace.user_info ;  
cqlsh:sample_keyspace> DROP KEYSPACE sample_keyspace ;  
cqlsh:sample_keyspace> █
```