pooja@pooja-desktop:~$ cqlsh

Connected to Test Cluster at 127.0.0.1:9042.

[cqlsh 5.0.1 | Cassandra 2.1.9 | CQL spec 3.2.0 | Native protocol v3]

Use HELP for help.

cqlsh> DESC KEYSPACES

system\_traces system

1. CREATING A KEYSPACE.

cqlsh> CREATE KEYSPACE "employee"WITH replication = {'class': 'SimpleStrategy', 'replication\_factor': 1} AND durable\_writes = 'false';

cqlsh> DESC KEYSPACES

employee system\_traces system

2. CREATE A TABLE

cqlsh:employee> CREATE TABLE emp ( emp\_id int PRIMARY KEY,name text ,city text ,salary varint ,phone varint ) ;

3. DESC TABLE

cqlsh:employee> DESC emp;

CREATE TABLE employee.emp (

emp\_id int PRIMARY KEY,

city text,

name text,

phone varint,

salary varint

) 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'}

AND compression = {'sstable\_compression': 'org.apache.cassandra.io.compress.LZ4Compressor'}

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 = '99.0PERCENTILE';

4. USING A KEYSPACE

cqlsh> USE employee ;

cqlsh:employee> DESC KEYSPACE;

CREATE KEYSPACE employee WITH replication = {'class': 'SimpleStrategy', 'replication\_factor': '1'} AND durable\_writes = false;

CREATE TABLE employee.emp (

emp\_id int PRIMARY KEY,

city text,

name text,

phone varint,

salary varint

) 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'}

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AND memtable\_flush\_period\_in\_ms = 0

AND min\_index\_interval = 128

AND read\_repair\_chance = 0.0

AND speculative\_retry = '99.0PERCENTILE';

4. SHOW ALL TABLES IN A KEYSPACE

cqlsh:employee> DESC TABLES ;

emp

5. INSERT INTO A TABLE

cqlsh:employee> INSERT INTO emp (emp\_id, name , city , salary , phone ) VALUES ( 107,'Bhajibhakre', 'Solapur',15000 ,9970546535);

6. SELECT FROM TABLE

cqlsh:employee> select \* from emp;

emp\_id | city | name | phone | salary

--------+-----------------+-------------+------------+--------

110 | Pune | Khan | 4565121235 | 88000

105 | Mumbai | Kulkarni | 2025687564 | 55452

107 | Mumbai | Oberoi | 4565546535 | 78000

108 | Mumbai | Oberoi | 4565546535 | 78000

109 | Mumbai | | 4565546535 | 78000

104 | Vishakhapattnam | Subramanium | 3245689878 | 75000

102 | Chennai | Ayyer | 785245545 | 45000

106 | Nashik | Deshmukh | 2025684545 | 60000

101 | Pune | John | 7852462145 | 25000

103 | Ranchi | Pandey | 712125545 | 21000

(10 rows)

7. COUNT

cqlsh:employee> SELECT count(\*) FROM emp;

count

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10

(1 rows)

8. CREATE INDEX

cqlsh:employee> CREATE INDEX I1 on emp(salary);

9. AFTER INDEX CREATION

cqlsh:employee> DESC emp;

cqlsh:employee> CREATE INDEX I1 on emp(salary);

CREATE TABLE employee.emp (

emp\_id int PRIMARY KEY,

city text,

name text,

phone varint,

salary varint

) 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'}

AND compression = {'sstable\_compression': 'org.apache.cassandra.io.compress.LZ4Compressor'}

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 = '99.0PERCENTILE';

CREATE INDEX i1 ON employee.emp (salary);

10. DISPLAY COUNT OF TOTAL EMPLOYEES IN MUMBAI

cqlsh:employee> SELECT count(\*) AS MUMBAIkars FROM emp WHERE city = 'Mumbai';

mumbaikars

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4

(1 rows)