```
cqlsh> SELECT * FROM system_schema.keyspaces;

 keyspace_name      | durable_writes | replication
--------------------+----------------+--------------------------------------------------------------------------------
           student |           True | {'class': 'org.apache.cassandra.locator.SimpleStrategy', 'replication_factor': '1'}
       system_auth |           True | {'class': 'org.apache.cassandra.locator.SimpleStrategy', 'replication_factor': '1'}
     system_schema |           True |                                {'class': 'org.apache.cassandra.locator.LocalStrategy'}
 system_distributed |           True | {'class': 'org.apache.cassandra.locator.SimpleStrategy', 'replication_factor': '3'}
            system |           True |                                {'class': 'org.apache.cassandra.locator.LocalStrategy'}
     system_traces |           True | {'class': 'org.apache.cassandra.locator.SimpleStrategy', 'replication_factor': '2'}
          students |           True | {'class': 'org.apache.cassandra.locator.SimpleStrategy', 'replication_factor': '1'}

(7 rows)
cqlsh> USE Student;
cqlsh:student> CREATE TABLE Student_Info (
           ...     Roll_No int PRIMARY KEY,
           ...     StudName text,
           ...     DateOfJoining timestamp,
           ...     last_exam_Percent double
           ... );
cqlsh:student> DESCRIBE TABLES;

student_info
```

```
cqlsh:student> DESCRIBE TABLE Student_Info;

CREATE TABLE student.student_info (
    roll_no int PRIMARY KEY,
    dateofjoining timestamp,
    last_exam_percent double,
    studname text
) WITH additional_write_policy = '99p'
    AND bloom_filter_fp_chance = 0.01
    AND caching = {'keys': 'ALL', 'rows_per_partition': 'NONE'}
    AND cdc = false
    AND comment = ''
    AND compaction = {'class': 'org.apache.cassandra.db.compaction.SizeTieredCompactionStrategy', 'max_threshold': '32', 'min_threshold': '4'}
    AND compression = {'chunk_length_in_kb': '16', 'class': 'org.apache.cassandra.io.compress.LZ4Compressor'}
    AND memtable = 'default'
    AND crc_check_chance = 1.0
    AND default_time_to_live = 0
    AND extensions = {}
    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 = 'BLOCKING'
    AND speculative_retry = '99p';
cqlsh:student> BEGIN BATCH
           ...
           ... INSERT INTO Student_Info (Roll_No, StudName, DateOfJoining, last_exam_Percent)
           ... VALUES (1,'Asha','2012-03-12',79.9);
           ...
           ... INSERT INTO Student_Info (Roll_No, StudName, DateOfJoining, last_exam_Percent)
           ... VALUES (2,'Kiran','2012-03-12',89.9);
           ...
           ... INSERT INTO Student_Info (Roll_No, StudName, DateOfJoining, last_exam_Percent)
           ... VALUES (3,'Tarun','2012-03-12',78.9);
           ...
           ... INSERT INTO Student_Info (Roll_No, StudName, DateOfJoining, last_exam_Percent)
           ... VALUES (4,'Samrth','2012-03-12',90.9);
           ...
           ... INSERT INTO Student_Info (Roll_No, StudName, DateOfJoining, last_exam_Percent)
           ... VALUES (5,'Smitha','2012-03-12',67.9);
           ...
           ... INSERT INTO Student_Info (Roll_No, StudName, DateOfJoining, last_exam_Percent)
           ... VALUES (6,'Rohan','2012-03-12',56.9);
           ...
           ... APPLY BATCH;
```

```
cqlsh:student> SELECT * FROM Student_Info;

 roll_no | dateofjoining                   | last_exam_percent | studname
---------+---------------------------------+-------------------+----------
       5 | 2012-03-11 18:30:00.000000+0000 |              67.9 |   Smitha
       1 | 2012-03-11 18:30:00.000000+0000 |              79.9 |     Asha
       2 | 2012-03-11 18:30:00.000000+0000 |              89.9 |    Kiran
       4 | 2012-03-11 18:30:00.000000+0000 |              90.9 |   Samrth
       6 | 2012-03-11 18:30:00.000000+0000 |              56.9 |    Rohan
       3 | 2012-03-11 18:30:00.000000+0000 |              78.9 |    Tarun

(6 rows)
cqlsh:student>
cqlsh:student> SELECT * FROM Student_Info
           ... WHERE Roll_No IN (1,2,3);

 roll_no | dateofjoining                   | last_exam_percent | studname
---------+---------------------------------+-------------------+----------
       1 | 2012-03-11 18:30:00.000000+0000 |              79.9 |     Asha
       2 | 2012-03-11 18:30:00.000000+0000 |              89.9 |    Kiran
       3 | 2012-03-11 18:30:00.000000+0000 |              78.9 |    Tarun

(3 rows)
cqlsh:student> CREATE INDEX ON Student_Info (StudName);
cqlsh:student> SELECT * FROM Student_Info
           ... WHERE StudName='Asha';

 roll_no | dateofjoining                   | last_exam_percent | studname
---------+---------------------------------+-------------------+----------
       1 | 2012-03-11 18:30:00.000000+0000 |              79.9 |     Asha

(1 rows)
cqlsh:student> SELECT Roll_No, StudName
           ... FROM Student_Info
           ... LIMIT 2;

 roll_no | studname
---------+----------
       5 |   Smitha
       1 |     Asha

(2 rows)
```

```
cqlsh:student> UPDATE library_book
           ... SET counter_value = counter_value + 1
           ... WHERE book_name='Big data Analytics'
           ... AND stud_name='jeet';
cqlsh:student> CREATE TABLE userlogin (
           ...     userid int PRIMARY KEY,
           ...     password text
           ... );
cqlsh:student> INSERT INTO userlogin (userid, password)
           ... VALUES (1,'infy')
           ... USING TTL 30;
cqlsh:student> SELECT TTL(password)
           ... FROM userlogin
           ... WHERE userid=1;

 ttl(password)
---------------
            25

(1 rows)
```

```
 -----
     5
     1
     2
     4
     6
     3

(6 rows)
cqlsh:student> UPDATE Student_Info
           ... SET StudName='David Sheen'
           ... WHERE Roll_No=2;
cqlsh:student> DELETE last_exam_Percent
           ... FROM Student_Info
           ... WHERE Roll_No=2;
cqlsh:student> DELETE FROM Student_Info
           ... WHERE Roll_No=2;
cqlsh:student> ALTER TABLE Student_Info
           ... ADD hobbies set<text>;
cqlsh:student> UPDATE Student_Info
           ... SET hobbies = hobbies + {'Chess','Table Tennis'}
           ... WHERE Roll_No=1;
cqlsh:student> UPDATE Student_Info
           ... SET hobbies = hobbies - {'Chess'}
           ... WHERE Roll_No=1;
cqlsh:student> ALTER TABLE Student_Info
           ... ADD language list<text>;
cqlsh:student> UPDATE Student_Info
           ... SET language = language + ['Hindi','English']
           ... WHERE Roll_No=1;
cqlsh:student> CREATE TABLE library_book (
           ...     book_name text,
           ...     stud_name text,
           ...     counter_value counter,
           ...     PRIMARY KEY (book_name, stud_name)
           ... );
```