

```
Connected to Test Cluster at 127.0.0.1:9042.
[cqlsh 5.0.1 | Cassandra 3.11.10 | CQL spec 3.4.4 | Native protocol v4]
Use HELP for help.
cqlsh> CREATE KEYSPACE Library WITH REPLICATION={
... 'class':'SimpleStrategy',
... 'replication_factor':1};
cqlsh> DESCRIBE KEYSPACES

system_schema  system_auth  system  library  system_distributed  system_traces

cqlsh> SELECT * FROM sytem.schema_keyspaces ;
InvalidRequest: Error from server: code=2200 [Invalid query] message="Keyspace sytem does not exist"
cqlsh> SELECT * FROM system.schema_keyspaces ;
InvalidRequest: Error from server: code=2200 [Invalid query] message="unconfigured table schema_keyspaces"
cqlsh> SELECT * FROM system_schema.keyspaces ;

keyspace_name | durable_writes | replication
-----
system_auth | True | {'class': 'org.apache.cassandra.locator.SimpleStrategy', 'replication_factor': '1'}
system_schema | True | {'class': 'org.apache.cassandra.locator.LocalStrategy'}
library | True | {'class': 'org.apache.cassandra.locator.SimpleStrategy', 'replication_factor': '1'}
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'}

(6 rows)
cqlsh> USE Library;
cqlsh:library> create table library_info(
... studid int PRIMARY KEY,
... countval counter,
;
InvalidRequest: Error from server: code=2200 [Invalid query] message="Cannot mix counter and non counter columns in the same table"
cqlsh:library> create table library_info(
... studid int PRIMARY KEY,
... countval counter);
cqlsh:library> DEscribe table library_info

CREATE TABLE library.library_info (
    studid int PRIMARY KEY,
    countval counter
) 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';

cqlsh:library> SELECT * FROM Library_info
... ;

studid | countval
-----+-----

(0 rows)
1';
SyntaxException: Only expressions of the form X = X +<value> are supported.
';
InvalidRequest: Error from server: code=2200 [Invalid query] message="Invalid STRING constant (001) for "studid" of type int"
;
cqlsh:library> SELECT * FROM Library_info;

studid | countval
-----+-----
111 | 1

(1 rows)
;
cqlsh:library> SELECT * FROM Library_info;

studid | countval
-----+-----
111 | 2

(1 rows)
cqlsh:library> ALTER library_info
... DROP countval
... ;
SyntaxException: line 1:6 no viable alternative at input 'library_info' ([ALTER] library_info...)
cqlsh:library> ALTER table library_info
... DROP countval;
cqlsh:library> SELECT * FROM Library_info;
```

```
-----
studid
(0 rows)
cqlsh:library> ALTER TABLE library_info ADD studname text;
ConfigurationException: Cannot add a non counter column (studname) in a counter column family
cqlsh:library> DROP tablelibrary_info;
SyntaxException: line 1:5 no viable alternative at input 'tablelibrary_info' ([DROP] tablelibrary_info...)
cqlsh:library> DROP table library_info;
cqlsh:library> DESCRIBE COLUMNFAMILIES;
```

<empty>

```
cqlsh:library> create table library_info(
... studid int PRIMARY KEY,
... studname text,
... bookname text,
... bookid int,
... dateofissuse timestamp) ;
cqlsh:library> SELECT * FROM Library_info;

studid | bookid | bookname | dateofissuse | studname
-----+-----+-----+-----+-----
(0 rows)
```

```
cqlsh:library> BEGIN BATCH
... INSERT INTO
... library_info(
... studid,studname,bookname ,bookid,dateofissuse)
... VALUES
... (1,'Michael Storm','BDA Beginner',10000,'2012-03-29')
issue) VALUES
... (2,'Stephen Fox','Cassandra 3.1.11',10001,'2012-03-30')
... APPLY BATCH;
cqlsh:library> SELECT * FROM Library_info;

studid | bookid | bookname | dateofissuse | studname
-----+-----+-----+-----+-----
1 | 10000 | BDA Beginner | 2012-03-29 00:00:00.000000+0000 | Michael Storm
2 | 10001 | Cassandra 3.1.11 | 2012-03-30 00:00:00.000000+0000 | Stephen Fox
```

```
(2 rows)
cqlsh:library> ALTER TABLE library_info add counter int
... ;
cqlsh:library> ;
SyntaxException: line 1:0 no viable alternative at input ';' ([;])
cqlsh:library> SELECT * FROM Library_info;

studid | bookid | bookname | counter | dateofissuse | studname
-----+-----+-----+-----+-----+-----
1 | 10000 | BDA Beginner | null | 2012-03-29 00:00:00.000000+0000 | Michael Storm
2 | 10001 | Cassandra 3.1.11 | null | 2012-03-30 00:00:00.000000+0000 | Stephen Fox
```

```
(2 rows)
cqlsh:library> ;
SyntaxException: line 1:0 no viable alternative at input ';' ([;])
cqlsh:library> UPDATE library_info SET
... counter=2 WHERE studid=1
... ;
cqlsh:library> UPDATE library_info SET
... counter=2 WHERE studid=1
... ;
cqlsh:library> UPDATE library_info SET
... counter=1 WHERE studid=2;
cqlsh:library> SELECT * FROM Library_info;

studid | bookid | bookname | counter | dateofissuse | studname
-----+-----+-----+-----+-----+-----
1 | 10000 | BDA Beginner | 2 | 2012-03-29 00:00:00.000000+0000 | Michael Storm
2 | 10001 | Cassandra 3.1.11 | 1 | 2012-03-30 00:00:00.000000+0000 | Stephen Fox
```

```
(2 rows)
cqlsh:library> SELECT bookname, counter FROM Library_info where studid=1;

bookname | counter
-----+-----
BDA Beginner | 2
```

```
(1 rows)
cqlsh:library> SELECT studid,bookname, counter FROM Library_info where studid=1
... ;

studid | bookname | counter
-----+-----+-----
1 | BDA Beginner | 2
```

```
(1 rows)
cqlsh:library> COPY library_info(studid,studname,bookname ,bookid,dateofissuse)
... TO '/content/libinfo.csv' WITH HEADER = TRUE ;
Using 1 child processes
```

```
Starting copy of library.library_info with columns [studid, studname, bookname, bookid, dateofissue].
Processed: 2 rows; Rate:      3 rows/s; Avg. rate:      3 rows/s
2 rows exported to 1 files in 0.689 seconds.
cqlsh:library> TRUNCATE library_info ;
cqlsh:library> SELECT * FROM library_info;

studid | bookid | bookname | counter | dateofissue | studname
-----+-----+-----+-----+-----+-----
(0 rows)
cqlsh:library> COPY library_info(studid,studname,bookname ,bookid,dateofissue)
... FROM '/content/libinfo.csv' WITH HEADER = TRUE ;
Invalid syntax at line 2, char 5
FROM '/content/libinfo.csv' WITH HEADER = TRUE ;
^
cqlsh:library> FROM '/content/libinfo.csv' WITH HEADER = TRUE ;
SyntaxException: line 1:0 no viable alternative at input 'FROM' ([FROM]...)
cqlsh:library> COPY library_info(studid,studname,bookname ,bookid,dateofissue)
... FROM '/content/libinfo.csv' WITH HEADER = TRUE ;
Using 1 child processes

Starting copy of library.library_info with columns [studid, studname, bookname, bookid, dateofissue].
Processed: 2 rows; Rate:      4 rows/s; Avg. rate:      6 rows/s
2 rows imported from 1 files in 0.356 seconds (0 skipped).
cqlsh:library> SELECT * FROM library_info;

studid | bookid | bookname | counter | dateofissue | studname
-----+-----+-----+-----+-----+-----
1 | 10000 | BDA Beginner | null | 2012-03-29 00:00:00.000000+0000 | Michael Storm
2 | 10001 | Cassandra 3.1.11 | null | 2012-03-30 00:00:00.000000+0000 | Stephen Fox

(2 rows)
cqlsh:library> exit
```