

```
bmsce@bmsce-Precision-T1700:~$ cd cassandra/apache-cassandra-3.11.0/
```

```
bmsce@bmsce-Precision-T1700:~/cassandra/apache-cassandra-3.11.0$ cd bin
```

```
bmsce@bmsce-Precision-T1700:~/cassandra/apache-cassandra-3.11.0/bin$ ./cqlsh
```

```
Connected to Test Cluster at 127.0.0.1:9042.
```

```
[cqlsh 5.0.1 | Cassandra 3.11.4 | CQL spec 3.4.4 | Native protocol v4]
```

```
Use HELP for help.
```

```
cqlsh> CREATE KEYSPACE Students1 WITH REPLICATION =  
{'class':'SimpleStrategy','replication_factor':1};
```

```
cqlsh> DESCRIBE KEYSPACES
```

```
students      system_auth  students1      employee  
system_schema system      system_distributed system_traces
```

```
cqlsh:students> USE Students1;
```

```
cqlsh:students1> CREATE TABLE Students_Info(Roll_No int PRIMARY KEY, StudName text,  
DateOfJoining timestamp, last_exam_Percent double);
```

```
cqlsh:students1> DESCRIBE TABLES;
```

```
students_info
```

```
cqlsh:students1> DESCRIBE TABLE Students_info;
```

```
CREATE TABLE students1.students_info (  
  roll_no int PRIMARY KEY,  
  dateofjoining timestamp,  
  last_exam_percent double,  
  studname 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';
```

```
cqlsh:students1> BEGIN BATCH
... INSERT INTO Students_Info(Roll_No, StudName, DateOfJoining, last_exam_Percent)
... VALUES (1,'Tarun','2012-03-12',78.9)
... APPLY BATCH;
```

```
cqlsh:students1> SELECT* FROM Students_info;
```

roll_no	dateofjoining	last_exam_percent	studname
1	2012-03-11 18:30:00.000000+0000	89.9	Tarun

(1 rows)

```
cqlsh:students1> BEGIN BATCH
... INSERT INTO Students_Info(Roll_No, StudName, DateOfJoining, last_exam_Percent)
... VALUES (2,'Asha','2012-03-12',79.9)
... INSERT INTO Students_Info(Roll_No, StudName, DateOfJoining, last_exam_Percent)
... VALUES (3,'Krian','2012-03-12',89.9)
... INSERT INTO Students_Info(Roll_No, StudName, DateOfJoining, last_exam_Percent)
... VALUES (4,'Samrth','2012-03-12',90.9)
... INSERT INTO Students_Info(Roll_No, StudName, DateOfJoining, last_exam_Percent)
... VALUES (5,'Smitha','2012-03-12',67.9)
... INSERT INTO Students_Info(Roll_No, StudName, DateOfJoining, last_exam_Percent)
... VALUES (6,'Rohan','2012-03-12',56.9)
... APPLY BATCH;
```

```
cqlsh:students1> SELECT* FROM Students_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	89.9	Tarun
2	2012-03-11 18:30:00.000000+0000	79.9	Asha
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	89.9	Krian

(6 rows)

```
cqlsh:students1> SELECT * FROM Students_Info WHERE Roll_No IN (1,2,3);
```

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

(3 rows)

```
cqlsh:students1> select * from Students_info where Studname='Asha' ALLOW FILTERING;
```

roll_no	dateofjoining	last_exam_percent	studname
2	2012-03-11 18:30:00.000000+0000	79.9	Asha

(1 rows)

cqlsh:students1> CREATE INDEX ON Students_Info (StudName);

cqlsh:students1> select * from students_info where Studname='Asha';

roll_no	dateofjoining	last_exam_percent	studname
2	2012-03-11 18:30:00.000000+0000	79.9	Asha

(1 rows)

cqlsh:students1> select Roll_No, StudName from students_info LIMIT 2;

roll_no	studname
5	Smitha
1	Tarun

(2 rows)

cqlsh:students1> SELECT roll_no as "USN" from students_info;

USN
5
1
2
4
6
3

(6 rows)

cqlsh:students1> UPDATE students_info SET StudName='David Sheen' WHERE Roll_No=2;

cqlsh:students1> DELETE Last_Exam_Percent FROM students_info WHERE Roll_No=2;

cqlsh:students1> DELETE FROM students_info WHERE Roll_No=2;