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UN127.0.0.192.94 KiB256100.0%da78348a-df05-4bee-90ab-20718a48ac05rack1

#@title CQLSH
!bin/cqlsh

CQLSH

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.
ication_factor':1};
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'}
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'}
business	True	{'class': 'org.apache.cassandra.locator.SimpleStrategy', 'replication_factor': '1'}

(6 rows)
cqlsh> DESCRIBE business;

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

cqlsh> use business;

cqlsh:business> CREATE TABLE bank(
... customer_id text primary key,
... customer_name text,
... account_bal double,
... account_type text);

cqlsh:business>

cqlsh:business> SELECT * FROM bank ;

customer_id	account_bal	account_type	customer_name
-------------	-------------	--------------	---------------

(0 rows)
cqlsh:business> BEGIN BATCH

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```
cqlsh:business> BEGIN BATCH
... INSERT INTO bank(customer_id, customer_name,
... account_bal ,account_type) VALUES
... ('100112','def',8000.00,'current')
... INSERT INTO bank(customer_id, customer_name,
... account_bal ,account_type) VALUES
... ('100113','ghi',80001.00,'savings')
... INSERT INTO bank(customer_id, customer_name,
... account_bal ,account_type) VALUES
... ('100114','jkl',90000.00,'current')
... APPLY BATCH ;
```

```
cqlsh:business> SELECT * FROM bank;
```

customer_id	account_bal	account_type	customer_name
100112	8000	current	def
100114	90000	current	jkl
100111	7000	savings	abc
100113	80001	savings	ghi

(4 rows)

```
cqlsh:business> CREATE INDEX ON bank(account_bal);
```

```
cqlsh:business>
```

```
cqlsh:business> SELECT customer_name,account_bal
... FROM bank
... WHERE account_bal > 80000.00
... ALLOW FILTERING;
```

customer_name	account_bal
jkl	90000
ghi	80001

(2 rows)

```
cqlsh:business> ALTER TABLE bank ADD branch_name text ;
```

```
cqlsh:business>
```

```
cqlsh:business> UPDATE bank SET branch_name='LOC01'
... WHERE customer_id='100111';
```

```
cqlsh:business> BEGIN BATCH
```

```
... UPDATE bank SET branch_name='LOC02'
```

```
... WHERE customer_id='100112'
```

```
... UPDATE bank SET branch_name='LOC01'
```

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```
cqlsh:business> ALTER TABLE bank ADD branch_name text ;
cqlsh:business>
cqlsh:business> UPDATE bank SET branch_name='LOC01'
... WHERE customer_id='100111';
cqlsh:business> BEGIN BATCH
... UPDATE bank SET branch_name='LOC02'
... WHERE customer_id='100112'
... UPDATE bank SET branch_name='LOC01'
... WHERE customer_id='100113'
... UPDATE bank SET branch_name='LOC02'
... WHERE customer_id='100114'
... APPLY BATCH;
cqlsh:business> SELECT * FROM bank ;
```

customer_id	account_bal	account_type	branch_name	customer_name
100112	8000	current	LOC02	def
100114	90000	current	LOC02	jkl
100111	7000	savings	LOC01	abc
100113	80001	savings	LOC01	ghi

(4 rows)

```
cqlsh:business> COPY bank(customer_id, customer_name, account_bal,
... account_type, branch_name) TO
... '/content/apache-cassandra-3.11.10/bank.csv'
... ;
```

Improper COPY command.

```
cqlsh:business> COPY bank(customer_id, customer_name, account_bal,
... account_type, branch_name) TO
... '/content/apache-cassandra-3.11.10/bank.csv'
... WITH HEADER = TRUE;
```

Using 1 child processes

Starting copy of business.bank with columns [customer_id, customer_name, account_bal, account_type, branch_name].

Processed: 4 rows; Rate: 7 rows/s; Avg. rate: 9 rows/s

4 rows exported to 1 files in 0.436 seconds.

```
cqlsh:business> TRUNCATE bank ;
```

```
cqlsh:business> SELECT * FROM bank ;
```

customer_id	account_bal	account_type	branch_name	customer_name
-------------	-------------	--------------	-------------	---------------

✓ 12m 19s completed at 15:58



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Improper COPY command.

```
cqlsh:business> COPY bank(customer_id, customer_name, account_bal,  
... account_type, branch_name) TO  
... '/content/apache-cassandra-3.11.10/bank.csv'  
... WITH HEADER = TRUE;
```

Using 1 child processes

Starting copy of business.bank with columns [customer_id, customer_name, account_bal, account_type, branch_name].

Processed: 4 rows; Rate: 7 rows/s; Avg. rate: 9 rows/s

4 rows exported to 1 files in 0.436 seconds.

```
cqlsh:business> TRUNCATE bank ;
```

```
cqlsh:business> SELECT * FROM bank ;
```

customer_id	account_bal	account_type	branch_name	customer_name
-------------	-------------	--------------	-------------	---------------

(0 rows)

```
cqlsh:business> COPY bank(customer_id, customer_name, account_bal,  
... account_type, branch_name) FROM  
... '/content/apache-cassandra-3.11.10/bank.csv';
```

Using 1 child processes

Starting copy of business.bank with columns [customer_id, customer_name, account_bal, account_type, branch_name].

Failed to import 1 rows: ParseError - Failed to parse account_bal : could not convert string to float: account_bal, given up without retries

Failed to process 1 rows; failed rows written to import_business_bank.err

Processed: 5 rows; Rate: 8 rows/s; Avg. rate: 12 rows/s

4 rows imported from 1 files in 0.409 seconds (0 skipped).

```
cqlsh:business> SELECT * FROM bank
```

```
... ;
```

customer_id	account_bal	account_type	branch_name	customer_name
100112	8000	current	LOC02	def
100114	90000	current	LOC02	jkl
100111	7000	savings	LOC01	abc
100113	80001	savings	LOC01	ghi

(4 rows)

```
cqlsh:business> exit
```

✓ 12m 19s completed at 15:58



Administrator: Command Prompt - mongo

```
> show dbs
local 0.078GB
> use studentdbs
switched to db studentdbs
> db.student_collection.insert(<{"_id":"001","Name":"abc","USN":"1BM001","Sem":6,
"Dept":"CSE","CGPA":9.0,"Hobby":["Painting"]} >)
2021-05-24T15:21:37.999+0530 E QUERY [thread1] SyntaxError: missing : after p
roperty id @<shell>:1:122

> db.student_collection.insert(<{"_id":"001","Name":"abc","USN":"1BM001","Sem":6,
"Dept":"CSE","CGPA":9.0,"Hobby":"Painting"} >)
WriteResult<{"nInserted" : 1 }>
> db.student_collection.insert(<{"_id":"002","Name":"bcd","USN":"1BM002","Sem":6,
"Dept":"CSE","CGPA":2.0,"Hobby":"Coding"} >)
WriteResult<{"nInserted" : 1 }>
> db.student_collection.insert(<{"_id":"003","Name":"cde","USN":"1BM003","Sem":6,
"Dept":"ISE","CGPA":7.0,"Hobby":"Sports"} >)
WriteResult<{"nInserted" : 1 }>
> db.student_collection.insert(<{"_id":"004","Name":"def","USN":"1BM004","Sem":6,
"Dept":"ISE","CGPA":8.0,"Hobby":"Coding"} >)
WriteResult<{"nInserted" : 1 }>
> db.student_collection.find().foreach(printjson)
2021-05-24T15:23:52.837+0530 E QUERY [thread1] TypeError: db.student_collecti
on.find(...).foreach is not a function :
@<shell>:1:1

> db.student_collection.find().forEach(printjson)
{
  "_id" : "001",
  "Name" : "abc",
  "USN" : "1BM001",
  "Sem" : 6,
  "Dept" : "CSE",
  "CGPA" : 9,
  "Hobby" : "Painting"
}
{
  "_id" : "002",
  "Name" : "bcd",
  "USN" : "1BM002",
  "Sem" : 6,
  "Dept" : "CSE",
  "CGPA" : 2,
  "Hobby" : "Coding"
}
{
  "_id" : "003",
  "Name" : "cde",
  "USN" : "1BM003",
  "Sem" : 6,
  "Dept" : "ISE",
  "CGPA" : 7,
  "Hobby" : "Sports"
}
{
  "_id" : "004",
  "Name" : "def",
```

```
<
  "_id" : "004",
  "Name" : "def",
  "USN" : "1BM004",
  "Sem" : 6,
  "Dept" : "ISE",
  "CGPA" : 8,
  "Hobby" : "Coding"
>
> db.student_collection.remove(<<"CGPA":2.0>>)
WriteResult(<< "nRemoved" : 1 >>)
> db.student_collection.find().forEach(printjson)
<
  "_id" : "001",
  "Name" : "abc",
  "USN" : "1BM001",
  "Sem" : 6,
  "Dept" : "CSE",
  "CGPA" : 9,
  "Hobby" : "Painting"
>
<
  "_id" : "003",
  "Name" : "cde",
  "USN" : "1BM003",
  "Sem" : 6,
  "Dept" : "ISE",
  "CGPA" : 7,
  "Hobby" : "Sports"
>
<
  "_id" : "004",
  "Name" : "def",
  "USN" : "1BM004",
  "Sem" : 6,
  "Dept" : "ISE",
  "CGPA" : 8,
  "Hobby" : "Coding"
>
>
_
```