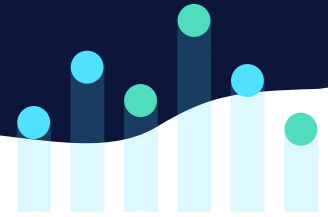


# DataStax Quick Reference Guide for CQL

## Top 10 most frequently used commands



### ALTER TABLE

```
ALTER TABLE [keyspace_name.]table_name
[ ADD ( column_definition | column_definition_list ) [ , ... ] ]
[ DROP column_name [ , ... ] ]
[ RENAME column_name TO column_name ]
[ WITH table_properties [ , ... ] ];
```

[Learn more.](#)

### BATCH

```
BEGIN [ ( UNLOGGED | LOGGED ) ] BATCH
[ USING TIMESTAMP [ epoch_microseconds ] ]
dml_statement [ USING TIMESTAMP [ epoch_microseconds ] ];
[ dml_statement [ USING TIMESTAMP [ epoch_microseconds ] ] [ ; ... ] ];
APPLY BATCH;
```

[Learn more.](#)

### CREATE KEYSPACE

```
CREATE KEYSPACE [ IF NOT EXISTS ] keyspace_name
WITH REPLICATION = { replication_map }
[ AND DURABLE_WRITES = ( true | false ) ];
```

[Learn more.](#)

### CREATE TABLE

```
CREATE TABLE [ IF NOT EXISTS ] [keyspace_name.]table_name
( column_definition [ , ... ] | PRIMARY KEY (column_list) )
[ WITH [ table_options ] ]
[ [ AND ] CLUSTERING ORDER BY [ clustering_column_name order ] ]
[ [ AND ] ID = 'table_hash_tag' ] ];
```

[Learn more.](#)

### DELETE

```
DELETE [ column_name [ term ] [ , ... ] ]
FROM [keyspace_name.]table_name
[ USING TIMESTAMP timestamp_value ]
WHERE PK_column_conditions
[ ( IF EXISTS | IF static_column_conditions ) ];
```

[Learn more.](#)

### INSERT

```
INSERT [ JSON ] INTO [keyspace_name.]table_name
[ column_list VALUES column_values ]
[ IF NOT EXISTS ]
[ USING [ TTL seconds ] [ [ AND ] TIMESTAMP epoch_in_microseconds ] ];
```

[Learn more.](#)

### SELECT

```
SELECT [ JSON ] selectors
FROM [keyspace_name.]table_name
[ WHERE [ primary_key_conditions ] [ AND ] [ index_conditions ] ]
[ GROUP BY column_name [ , ... ] ]
[ ORDER BY PK_column_name [ , ... ] ( ASC | DESC ) ]
[ ( LIMIT N | PER PARTITION LIMIT N ) ]
[ ALLOW FILTERING ];
```

[Learn more.](#)

### TRUNCATE

```
TRUNCATE [ TABLE ] [keyspace_name.]table_name ;
```

[Learn more.](#)

### UPDATE

```
UPDATE [keyspace_name.]table_name
[ USING TTL time_value ]
[ [ AND ] USING TIMESTAMP timestamp_value ]
SET assignment [ , assignment ... ]
WHERE row_specification
[ IF EXISTS | IF condition [ AND condition ] ];
```

[Learn more.](#)

### USE

```
USE keyspace_name ;
```

[Learn more.](#)

For a complete list of all CQL commands, see [bit.ly/CQLcommands](https://bit.ly/CQLcommands).

## CQL data types

For a description of all CQL data types, see the [CQL data types](#).

Learn more at [bit.ly/CQLdata](https://bit.ly/CQLdata).

### Strings

ascii  
text  
varchar

### Decimal types

decimal  
float  
double

### Unique identifiers

uuid  
timeuuid

### Geo-spatial types

PointType  
LineStringType  
PolygonType

### Integers

tinyint  
smallint  
int  
bigint  
varint

### Date and time types

date  
DateRangeType  
duration  
time  
timestamp

### Specialized types

blob  
boolean  
counter  
DseExecutorStateType  
inet

### Collection types

frozen  
list  
map  
tuple  
user defined type (UDT)